



# STIC Search Report

## EIC 3600

STIC Database Tracking Number: 185288

TO: Naeem Haq  
Location: KNOX 5C04  
Art Unit : 3625  
Thursday, April 20, 2006

Case Serial Number: 09/684762

From: Sylvia Keys  
Location: EIC 3600  
Knox 4B68  
Phone: 571.272.3534

[sylvia.keys@uspto.gov](mailto:sylvia.keys@uspto.gov)

### Search Notes

Dear Examiner Haq,

Please read through the results.

If you have any questions, please do not hesitate to contact me.

Sylvia

705 / 14

53

Access DB#

~~185287~~

185288

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Naeem Haq Examiner #: 78786 Date: 4/13/2006  
 Art Unit: 3625 Phone Number 571-272-6758 Serial Number: 09/684,762  
 Mail Box Location: KNX 05-C04 Results Format Preferred (circle): **PAPER** ~~DISK~~ ~~E-MAIL~~

**If more than one search is submitted, please prioritize searches in order of need.**

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Fuel Dispenser Integrated Media Display System

Inventors (please provide full names): William Y. Hall; Ron Stapp

Earliest Priority Filing Date: February 14, 2000

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Searches to date:

- EAST SEARCH as Shown.
- Dialog Search

BACKGROUND OF INVENTION

The invention is directed to a fuel dispenser advertising system. I need the searcher to do a focused search on the bold and underlined limitations in claims 1, 16, and 21 (see attached claims).

Please provide an inventor search. All references must be before the priority date as shown above.

\*\*\*\*\*

## STAFF USE ONLY

## Type of Search

## Vendors and cost where applicable

Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

Rush  
Am G  
Rush SPE



# STIC Search Results Feedback Form

**EIC 3600**

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Karen Lehman, EIC 3600 Team Leader  
571.272.3496 Knox suite 4B68

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 Knox suite 4B68



File 16:Gale Group PROMT(R) 1990-2006/Apr 20  
     (c) 2006 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2006/Apr 20  
     (c)2006 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
     (c) 1999 The Gale Group  
 File 275:Gale Group Computer DB(TM) 1983-2006/Apr 19  
     (c) 2006 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2006/Apr 20  
     (c) 2006 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2006/Apr 19  
     (c) 2006 The Gale Group  
 File 9:Business & Industry(R) Jul/1994-2006/Apr 18  
     (c) 2006 The Gale Group  
 File 15:ABI/Inform(R) 1971-2006/Apr 19  
     (c) 2006 ProQuest Info&Learning  
 File 20:Dialog Global Reporter 1997-2006/Apr 20  
     (c) 2006 Dialog  
 File 95:TEME-Technology & Management 1989-2006/Apr W3  
     (c) 2006 FIZ TECHNIK  
 File 476:Financial Times Fulltext 1982-2006/Apr 21  
     (c) 2006 Financial Times Ltd  
 File 610:Business Wire 1999-2006/Apr 20  
     (c) 2006 Business Wire.  
 File 613:PR Newswire 1999-2006/Apr 20  
     (c) 2006 PR Newswire Association Inc  
 File 624:McGraw-Hill Publications 1985-2006/Apr 20  
     (c) 2006 McGraw-Hill Co. Inc  
 File 634:San Jose Mercury Jun 1985-2006/Apr 19  
     (c) 2006 San Jose Mercury News  
 File 810:Business Wire 1986-1999/Feb 28  
     (c) 1999 Business Wire  
 File 813:PR Newswire 1987-1999/Apr 30  
     (c) 1999 PR Newswire Association Inc  
 File 635:Business Dateline(R) 1985-2006/Apr 19  
     (c) 2006 ProQuest Info&Learning  
 File 570:Gale Group MARS(R) 1984-2006/Apr 19  
     (c) 2006 The Gale Group  
 File 477:Irish Times 1999-2006/Apr 20  
     (c) 2006 Irish Times  
 File 710:Times/Sun.Times(London) Jun 1988-2006/Apr 19  
     (c) 2006 Times Newspapers  
 File 711:Independent(London) Sep 1988-2006/Apr 19  
     (c) 2006 Newspaper Publ. PLC  
 File 756:Daily/Sunday Telegraph 2000-2006/Apr 20  
     (c) 2006 Telegraph Group  
 File 757:Mirror Publications/Independent Newspapers 2000-2006/Apr 20  
     (c) 2006  
 File 387:The Denver Post 1994-2006/Apr 19  
     (c) 2006 Denver Post  
 File 471:New York Times Fulltext 1980-2006/Apr 20  
     (c) 2006 The New York Times  
 File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
     (c) 2002 Phoenix Newspapers  
 File 494:St LouisPost-Dispatch 1988-2006/Apr 19  
     (c) 2006 St Louis Post-Dispatch  
 File 631:Boston Globe 1980-2006/Apr 19  
     (c) 2006 Boston Globe  
 File 633:Phil.Inquirer 1983-2006/Apr 18  
     (c) 2006 Philadelphia Newspapers Inc  
 File 638:Newsday/New York Newsday 1987-2006/Apr 19



(c) 2006 Newsday Inc.  
 File 640:San Francisco Chronicle 1988-2006/Apr 16  
 (c) 2006 Chronicle Publ. Co.  
 File 641:Rocky Mountain News Jun 1989-2006/Apr 20  
 (c) 2006 Scripps Howard News  
 File 702:Miami Herald 1983-2006/Apr 17  
 (c) 2006 The Miami Herald Publishing Co.  
 File 703:USA Today 1989-2006/Apr 19  
 (c) 2006 USA Today  
 File 704:(Portland)The Oregonian 1989-2006/Apr 19  
 (c) 2006 The Oregonian  
 File 713:Atlanta J/Const. 1989-2006/Apr 20  
 (c) 2006 Atlanta Newspapers  
 File 714:(Baltimore) The Sun 1990-2006/Apr 19  
 (c) 2006 Baltimore Sun  
 File 715:Christian Sci.Mon. 1989-2006/Apr 20  
 (c) 2006 Christian Science Monitor  
 File 725:(Cleveland)Plain Dealer Aug 1991-2006/Apr 19  
 (c) 2006 The Plain Dealer  
 File 735:St. Petersburg Times 1989- 2006/Apr 19  
 (c) 2006 St. Petersburg Times

Set	Items	Description
S1	324204	(FUEL OR GAS OR GASOLINE OR PETROL?) ( ) (DISPENS? OR PUMP??? OR STATION? ?)
S2	584995	(CONTROL? OR TRIGGER? OR MANIPULATE? OR INCREAS? OR DECREA- S? OR MODULAT?) (3N) (SPEED? OR FLOW???)
S3	5421913	AD OR ADS OR ADVERTISEMENT? OR PROMOTION? ? OR INFOMERCIAL?
S4	414	BILLBOARD()VIDEO?
S5	2779	AU=(HALL, W? OR HALL W? OR STAPP, R? OR STAPP R? WILLIAM(2- N)HALL OR RON?(2N)STAPP)
S6	2967	S1 AND S2
S7	324	S6 AND S3
S8	214	S7 NOT (AD()HOC OR CONVERT?)
S9	99	S8 NOT PY>2000
S10	86	RD (unique items)
S11	43	S10 NOT PROMOTION?
S12	11	S11 NOT (REVENUE? OR SPEED?)
S13	5	S12 NOT TRAFFIC
S14	5	RD (unique items)
S15	116	S4 AND S1
S16	50	S15 NOT PY>2000
S17	1	S5 AND S1
?		

14/3,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

08130441 SUPPLIER NUMBER: 17180799 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**How a little company won big by betting on brainpower. (Taco Inc.) (Column)**  
Stewart, Thomas A.  
Fortune, v132, n5, p121(2)  
Sep 4, 1995  
DOCUMENT TYPE: Column ISSN: 0015-8259 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1755 LINE COUNT: 00146

14/3,K/2 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

02327737 SUPPLIER NUMBER: 03775976 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Marketers can expect summer of economic, political turmoil. (oil marketers)**  
**(includes other marketing news) (column)**  
Murphy, Marvin  
Oil Daily, p8(1)  
May 16, 1985  
DOCUMENT TYPE: column ISSN: 0030-1434 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 941 LINE COUNT: 00073

... API met in Seattle last week, but rumors of how Arco plans to dispose of **gasoline stations** left marketers more confused than informed.

Arco chose the occasion a few days after the announcement to run a full-page **ad** in the San Francisco Chronicle saying, in effect, that it is the No. 1 marketer...

...than Chevron.

Nevertheless, Arco is known to have received a number of bids for its **gasoline stations** in the East, but seems to be having trouble finding a buyer for its Philadelphia...

...system virtually eliminates the "float" between the time a customer is billed and actual payment, **increases cash flow**, and streamlines credit operations.

Beginning in the fourth quarter, marketers will pay a transaction fee ...

14/3,K/3 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02039577 55513288  
**Water savings in arid areas**  
Bowers, Carol L  
Utility Business v3n6 PP: 36-40 Jun 2000  
ISSN: 1097-6981 JRNL CODE: UTB  
WORD COUNT: 2176

...TEXT: their water use.

First, the water districts banded together to run a radio and TV **ad**

campaign instructing residents on the best ways to use water outdoors, starting with changing the...Water District's board of directors approved a program to target restaurants, grocery stores and **gas stations**.

In California, the U.S. Bureau of Reclamation has started to offer financial incentives for...

...s talk about what it would cost and what it would save you,"' McDonnell says. **Controlling water flow** into cooling towers, plumbing fixtures and other indoor water delivery equipment could save a business...

**14/3,K/4 (Item 2 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01433481 00-84468  
**Interflora boss back to fix rift**  
Murphy, Claire  
Marketing PP: 4 May 29, 1997  
ISSN: 0025-3650 JRNL CODE: MAR  
WORD COUNT: 281

...TEXT: board must now decide how it is to tackle the competitive threat from supermarkets and **petrol stations**, which are **increasing** their ranges of **flowers** and offering them at cheaper prices than in the independent Interflora shops.

It has not...

...decided whether the new board will sanction an increase in last year's 22m budget. **Ads**, mainly in magazines and newspapers, are created by Ammirati Puris Lintas.

Marks & Spencer has expanded...

**14/3,K/5 (Item 3 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01080337 97-29731  
**How a little company won big by betting on brainpower**  
Stewart, Thomas A  
Fortune v132n5 PP: 121-122; European 75-76 Sep 4, 1995  
ISSN: 0015-8259 JRNL CODE: FOR  
WORD COUNT: 1758

...TEXT: Cranston?--and make a couple of left turns onto a shabby street whose convenience stores, **gas stations**, and shuttered factories stand as a testament to the deindustrialization of New England. After a...

...a citizen-celebrity for having taken out, at his expense, more than 150 full-page **ads** in the Providence Journal attacking the state's notoriously corrupt politics.

This spending on training...

...s learning center, there's no gainsaying it, either. Taco makes circulators, pumps, heat exchangers, **flow controls**, and other items

16/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

08606421 Supplier Number: 71017018 (USE FORMAT 7 FOR FULLTEXT)  
**Phillips 66 chooses BillBoard to provide gas - pump content.**  
National Petroleum News, v92, n13, p42  
Dec, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 178

(USE FORMAT 7 FOR FULLTEXT)  
**Phillips 66 chooses BillBoard to provide gas - pump content.**  
TEXT:

Phillips Petroleum Company, Bartlesville, Okla., and Dallas-based **BillBoard Video** in October signed a contract to install **BillBoard Video** 's new wireless technology into all Phillips convenience-store locations.

The agreement allows **BillBoard Video** to install their Integrated Media Display monitors into each **gasoline pump** at the Phillips stores and connect them into their Wireless Media Network. Phillips 66 has retail locations in Colorado, Utah, Missouri, Kansas, North Carolina, Oklahoma, New Mexico and Arizona.

"Because **BillBoard Video** delivers advertising and promotional offers to consumers close to the point of purchase, we are...

...as a leader in the out-of-home advertising industry," said William Hall, CEO of **BillBoard Video** . "Phillips' nearly 300 locations will increase our distribution channel for advertisers. Approximately 1000 consumers a...

16/3,K/2 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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08606330 Supplier Number: 71016921 (USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video inks three contracts.**  
National Petroleum News, v92, n11, p48  
Oct, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 472

(USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video inks three contracts.**  
TEXT:

In August, Frisco, Texas-based **BillBoard Video** , Inc., announced that it had reached an agreement with FFP Marketing, Fort Worth, Texas, The...

Under the terms of their contract, **BillBoard Video** will install its state-of-the-art Integrated Media Display monitors into all of the FFP-operated **gasoline stations** . The monitors are connected to a network that provides location specific, wireless, Internet-delivered video advertisements directly to the captive audience at the **gas pump** . **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full-motion video to the **gas pump** . "Becoming a **BillBoard Video** Preferred Provider was in every way a 'no-brainer,'" said Mike Triantafellou, vice president of...

...not cost us anything and, in fact, is an ad r evenue sharing proposition

with **BillBoard Video** ."

The Pantry will have the **BillBoard Video** technology installed in all 1,300 of its c-stores in the southern United States...

...Forming a partnership with The Pantry was an obvious decision," said William Hall, president of **BillBoard Video** . "They are the second-largest and the fastest-growing independently operated convenience-store chain in...

...will begin receiving Integrated Media Display monitors that are connected to a network controlled by **BillBoard Video** .

"How could we resist the offer?" said Brad Butcher, national facility revenue manager for Pilot...

COMPANY NAMES: \***BillBoard Video** Inc.

**16/3,K/3 (Item 3 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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08105661 Supplier Number: 67548478 (USE FORMAT 7 FOR FULLTEXT)

**BillBoard Video Plays Ads at Gas Station Pumps.(Brief Article)**

Hill, J. Dee

ADWEEK Southeast, v21, n45, p6

Nov 6, 2000

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 357

(USE FORMAT 7 FOR FULLTEXT)

**BillBoard Video Plays Ads at Gas Station Pumps.(Brief Article)**

TEXT:

DALLAS-- **BillBoard Video** is amassing a network which will enable it to present commercials via wireless Internet at 16,000 **gas station** pumps with a projected viewership of 30 million consumers monthly.

... of advertising for one day is \$20. With 1,000 customers expected to visit a **gas station** daily, the cost per thousand is \$20.

The idea for **BillBoard** evolved from Hall's last company, which installed **gas pumps** at convenience stores.

"One of the things we did to help drive traffic inside the...

COMPANY NAMES: \***BillBoard Video**

**16/3,K/4 (Item 4 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

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08081550 Supplier Number: 67336741 (USE FORMAT 7 FOR FULLTEXT)

**From elevators to gas stations , ads multiplying; Digital out-of-home media offer unique way to reach moving target.(Next Generation Network's e-billboard)**

Beardi, Cara

Advertising Age, v71, p40

Nov 20, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1895

**From elevators to gas stations , ads multiplying; Digital out-of-home**

media offer unique way to reach moving target. (Next...  
... Captivate Network's elevator advertising and news content, provided via wireless flat-panel screens, to **Billboard Video**'s wireless technology, which brings news and ads to the **gas pump**. That means the average person could be bombarded with commercial messages without turning on a...

...our environment, literally, people are in a box. It's the advertiser's ultimate dream."

**Billboard Video** provides wireless news content interspersed with 15-, 30-, or 60-second spots at **gas pumps** via 12-inch screens equipped with both audio and video. The Dallas-based company promotes the **gas station** as a prime place to connect with today's on-the-go consumer -- 70% of Americans go to the **gas station** 1.5 times a week and spend an average of 6 minutes at the pump, said **Billboard Video** CEO William Hall.

Perhaps most advanced in its customization capability is CashPoint, which delivers spots...billboards.

CashPoint's ATM advertiser roster includes Amazon.com, Burger King Corp. and Subway Restaurants. **Billboard Video**, which has only five of its 10,000 contracted **gas station** locations installed, does not yet have any advertiser agreements. But it plans to charge a...  
...point, however, there is nothing to share, as none of the four privately held companies -- **Billboard Video**, Captivate, CashPoint and Next Generation Network -- is turning a profit.

"Unfortunately, whenever you have a...

16/3,K/5 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

08068464 Supplier Number: 67321743 (USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video Plays Ads at Gas Station Pumps. (Brief Article)**  
Hill, J. Dee  
ADWEEK Southwest, v22, n45, p6  
Nov 6, 2000  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 357

(USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video Plays Ads at Gas Station Pumps. (Brief Article)**  
TEXT:  
DALLAS-- **BillBoard Video** is amassing a network which will enable it to present commercials via wireless Internet at 16,000 **gas station** pumps with a projected viewership of 30 million consumers monthly.  
... of advertising for one day is \$20. With 1,000 customers expected to visit a **gas station** daily, the cost per thousand is \$20.

The idea for **BillBoard** evolved from Hall's last company, which installed **gas pumps** at convenience stores.

"One of the things we did to help drive traffic inside the...  
COMPANY NAMES: \***BillBoar d Video** ; Pantry Inc.; Town and Country Food Stores Inc.; Phillips 66 Div.  
NAICS CODES: 54181 (Advertising Agencies); 44512 (Convenience Stores); 4471 ( **Gasoline Stations** )

16/3,K/6 (Item 6 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
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08053815 Supplier Number: 67005446 (USE FORMAT 7 FOR FULLTEXT)  
**From elevators to gas stations , ads multiplying; Digital out-of-home  
media offer unique way to reach moving target.(marketing methods)**  
Beardi, Cara  
Advertising Age, v71, p40  
Nov 13, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1895

**From elevators to gas stations , ads multiplying; Digital out-of-home  
media offer unique way to reach moving target.(marketing...**  
... Captivate Network's elevator advertising and news content, provided  
via wireless flat-panel screens, to **Billboard Video** 's wireless  
technology, which brings news and ads to the **gas pump** . That means the  
average person could be bombarded with commercial messages without turning  
on a...

...our environment, literally, people are in a box. It's the advertiser's  
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...point, however, there is nothing to share, as none of the four privately  
held companies -- **Billboard Video** , Captivate, CashPoint and Next  
Generation Network -- is turning a profit.

"Unfortunately, whenever you have a...

16/3,K/7 (Item 7 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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07850785 Supplier Number: 65105703 (USE FORMAT 7 FOR FULLTEXT)  
**TECH BRIEFS.(Techtv software, Billboard Video advertising, Universal  
Music Group music programming)(Brief Article)**  
Electronic Media, v19, p20  
Sept 4, 2000  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 196

**TECH BRIEFS.(Techtv software, Billboard Video advertising, Universal  
Music Group music programming)(Brief Article)**  
... provider of multimedia-enabling technologies to Internet community  
sites.

Video ads go from Net to **gas pumps**

**Billboard Video** will deliver full-motion video advertisements through its Wireless Media Network to consumers pumping up at Pilot Corp., a leading interstate gas retailer. **Billboard Video**'s Integrated Media Display monitors are supplied at no charge to Pilot. Its proprietary network management software-Billboard Mediaware-is compatible with any existing **gasoline - dispensing** equipment. Mediaware downloads each location's specific media schedule from Billboard's headquarters via wireless...

...over the Internet to an on-site computer, where the data is transferred to the **gasoline pumps**.

Universal Music going broadband

Universal Music Group will offer fans a slate of premium music...

COMPANY NAMES: **\*BillBoard Video**; Universal Music Group; techtv; Pilot Corp.

NAICS CODES: 4471 (**Gasoline Stations**); 51121 (Software Publishers); 334419 (Other Electronic Component Manufacturing); 51222 (Integrated Record Production/Distribution)

16/3,K/8 (Item 8 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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07768222 Supplier Number: 64982196 (USE FORMAT 7 FOR FULLTEXT)

**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp.**

**Locations.**

Business Wire, p0233

August 28, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 733

**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp.**

**Locations.**

FRISCO, Texas--(BUSINESS WIRE)--Aug. 28, 2000

**BillBoard Video** announced today that it will immediately begin supplying their new, revolutionary, wireless technology to 137 Pilot stores throughout the United States.

**BillBoard Video** is the first and only company to deliver full motion video advertisements, through a Wireless Media Network(TM), to consumers close to the point of purchase -- the **gasoline pump**.

Pilot Corp., a leading interstate retailer that offers restaurant chains within their travel centers, will begin receiving Integrated Media Display(TM) monitors that are connected to a network controlled by **BillBoard Video**. The network provides location specific, wireless, Internet-delivered, video advertisements to the captive audience at the **gas pump**. **BillBoard Mediaware(TM)**, the proprietary, network management software, is compatible with any existing **gasoline dispensing** equipment. **BillBoard Video**'s Integrated Media Display(TM) monitors are supplied at no charge to the retailer and...

...to differentiate ourselves from other convenience stores and increase customer satisfaction and loyalty."

About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the



point of purchase. The **gasoline stations** are equipped with a computer that uses a wireless technology. **BillBoard Video** 's proprietary Wireless Media Network(TM) software, BillBoard Mediaware(TM), downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps** . Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video** , Inc. has a patent pending on the software, BillBoard Mediaware(TM), and the video monitor...

...network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About **BillBoard Video** , Inc.

**BillBoard Video** is revolutionizing out-of-home media advertising by creating the first Wireless Media Network(TM). Entrepreneurial visionary William Hall founded **BillBoard Video** . A veteran in the petroleum industry, Hall pioneered cross marketing in this industry by introducing...

...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump** . Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 866...

16/3,K/9 (Item 9 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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07735048 Supplier Number: 64525300 (USE FORMAT 7 FOR FULLTEXT)

**BILLBOARD VIDEO UNVEILS TECHNOLOGY BEHIND REVOLUTIONARY WIRELESS MEDIA NETWORK.**

EFT Report, v23, n17, pNA

August 23, 2000

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 167

(USE FORMAT 7 FOR FULLTEXT)

**BILLBOARD VIDEO UNVEILS TECHNOLOGY BEHIND REVOLUTIONARY WIRELESS MEDIA NETWORK.**

TEXT:

Frisco, Texas-based **BillBoard Video** Inc.'s Chief Executive Officer, William Hall, Aug. 18 introduced the technology and components behind...

...network that provides location specific, wireless, Internet-delivered, full-motion video advertisements directly to the **gas pump** . **BillBoard Video** provides **gasoline stations** with monitors, Integrated Media Display, and an on-location computer that is wirelessly linked to their network, at no charge, as part of a revenue sharing proposition. **BillBoard Video** 's Wireless Media Network software, BillBoard Mediaware, downloads each location's specific media schedule from...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling. **BillBoard Video** Inc. has a patent pending on the BillBoard Mediaware software and the Integrated Media Display...

(S. Bell, Inc. for **BillBoard Video** Inc., Sandy Bell, 214/221-5588.)

16/3,K/10 (Item 10 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

07724440 Supplier Number: 64428672 (USE FORMAT 7 FOR FULLTEXT)  
**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology.**  
PR Newswire, p5065  
August 21, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 773

**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology.**

**BillBoard Video**, the first and only company to provide full motion video advertisements through a Wireless Media...

...300 Pantry locations into their revolutionary network, making the convenience store chain a Preferred Retailer.

**BillBoard Video** will provide Integrated Media Display(TM) monitors, into Pantry operated convenient stores throughout the southern...

...provides location specific, wireless, Internet- delivered, video advertisements directly to the captive audience at the **gas pump**. This will create a new profit center for the convenience store.

"This idea and the...

...Forming a partnership with The Pantry was an obvious decision," said William Hall, president of **BillBoard Video**. "They are the second largest and the fastest growing independently operated convenience store chain in the country. This will increase our distribution channel, maximizing exposure for the advertisers."

About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** receive the installation and equipment at no charge, as well as a percentage of the revenues generated from the advertisements. **BillBoard Video**'s proprietary Wireless Media Network(TM) software, BillBoard Mediaware(TM), downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video**, Inc. has a patent pending on the software, BillBoard Mediaware(TM), and the video monitor...

...control glare. In addition, the display can be used with any brand or style of **gasoline dispenser** .

"We are creating a wireless out-of-home media network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About **Billboard Video** , Inc.

**BillBoard Video** is revolutionizing out-of-home media advertising by creating the first Wireless Media Network(TM). Entrepreneurial visionary William Hall founded **BillBoard Video** . A veteran in the petroleum industry, Hall pioneered cross marketing in this industry by introducing...

...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump** . Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

16/3,K/11 (Item 11 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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07721102 Supplier Number: 64387275 (USE FORMAT 7 FOR FULLTEXT)  
**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology.**  
PR Newswire, p5065  
August 21, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 773

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16/3,K/12 (Item 12 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

07717387 Supplier Number: 64359694 (USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video Unveils Technology Behind Revolutionary Wireless Media Network(TM)** .  
PR Newswire, pNA  
August 18, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 536

**BillBoard Video Unveils Technology Behind Revolutionary Wireless Media Network(TM)** .

Today, William Hall, chief executive officer of **BillBoard Video** , Inc. introduced the technology and components behind his company's new Wireless Media Network(TM)...

...network to provide location specific, wireless, Internet-delivered, full- motion video advertisements directly to the **gas pump** .

"Our network combines the very latest in wireless, Internet, and e-commerce technologies," said Hall. "We've developed a monitor that is compatible with any **gasoline dispenser**, and combined it with a wireless network to provide advertisers and gasoline retailers a cross... register by delivering promotional offers directly to the consumer, close to the point of purchase."

**BillBoard Video** provides **gasoline stations** with their state-of-the-art monitors, Integrated Media Display(TM), and an on-location ...

...wirelessly linked to their network, at no charge, as part of a revenue sharing proposition. **BillBoard Video**'s proprietary Wireless Media Network(TM) software, BillBoard Mediaware(TM), downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**BillBoard Video**, Inc. has a patent pending on the software, BillBoard Mediaware(TM), and the video monitor...

...Integrated Media Display(TM) to begin playing when the customer drives up," said Ron Stapp, **BillBoard Video** vice president, technology. "This gives us more time to advertise to the customer and creates...

...a specific location/s can be chosen), by company (a particular chain of convenience stores/ **gas stations** can be chosen), or by Region (a certain state/s can be chosen). Hall added...

...s incredibly effective and completely transforms the out-of-home advertising paradigm."

Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

16/3,K/13 (Item 13 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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07701337 Supplier Number: 64155146 (USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video , Inc. Wins FFP Contract; First of 400+ Installations Complete.**

PR Newswire, pNA  
August 14, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 700

**BillBoard Video , Inc. Wins FFP Contract; First of 400+ Installations Complete.**

William Hall, chief executive officer of **BillBoard Video**, Inc., announced today that a contract was signed to incorporate 400 FFP Marketing locations into their new and revolutionary Wireless Media Network(TM).

Under the terms of their exclusive contract, **BillBoard Video** will install their state-of-the-art Integrated Media Display(TM) monitors into all of the FFP-operated **gasoline stations**. The monitors are connected to a network that provides location specific, wireless, Internet-delivered video advertisements directly to the captive audience at the **gas pump**. The first FFP installation was completed in July at a **gasoline station** in Fort Worth, Texas. **BillBoard Video** is the first and, to date, only

company to provide wireless, Internet- delivered, full motion video to the **gas pump** .

"Becoming a **BillBoard Video** Preferred POS Provider was in every way a 'no brainer'," said Mike Triantafellou, vice president...

...did not cost us anything and, in fact, is an ad revenue sharing proposition with **BillBoard Video** ."

About the **BillBoard Video** technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** are equipped with a computer that uses a wireless technology. **BillBoard Video** 's proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps** . Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video** , Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

...network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About **BillBoard Video** , Inc.

**BillBoard Video** is revolutionizing out-of-home media advertising by creating the first Wireless Media Network(TM). Entrepreneurial visionary William Hall founded **BillBoard Video** . A veteran in the petroleum industry, Hall pioneered cross marketing in this industry by introducing...

...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump** . Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

16/3,K/14 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

13398265 SUPPLIER NUMBER: 71017018 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Phillips 66 chooses BillBoard to provide gas - pump content.**  
National Petroleum News, 92, 13, 42  
Dec, 2000  
ISSN: 0149-5267 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 178 LINE COUNT: 00018

**Phillips 66 chooses BillBoard to provide gas - pump content.**

TEXT:

Phillips Petroleum Company, Bartlesville, Okla., and Dallas-based **BillBoard Video** in October signed a contract to install **BillBoard**

**Video** 's new wireless technology into all Phillips convenience-store locations.

The agreement allows **BillBoard Video** to install their Integrated Media Display monitors into each **gasoline pump** at the Phillips stores and connect them into their Wireless Media Network. Phillips 66 has retail locations in Colorado, Utah, Missouri, Kansas, North Carolina, Oklahoma, New Mexico and Arizona.

"Because **BillBoard Video** delivers advertising and promotional offers to consumers close to the point of purchase, we are...  
...as a leader in the out-of-home advertising industry," said William Hall, CEO of **BillBoard Video** . "Phillips' nearly 300 locations will increase our distribution channel for advertisers. Approximately 1000 consumers a...

16/3,K/15 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

13398169 SUPPLIER NUMBER: 71016921 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**BillBoard Video inks three contracts.**

National Petroleum News, 92, 11, 48

Oct, 2000

ISSN: 0149-5267 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 472 LINE COUNT: 00041

**BillBoard Video inks three contracts.**

TEXT:

In August, Frisco, Texas-based **BillBoard Video** , Inc., announced that it had reached an agreement with FFP Marketing, Fort Worth, Texas, The ...

Under the terms of their contract, **BillBoard Video** will install its state-of-the-art Integrated Media Display monitors into all of the FFP-operated **gasoline stations** . The monitors are connected to a network that provides location specific, wireless, Internet-delivered video advertisements directly to the captive audience at the **gas pump** . **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full-motion video to the **gas pump** . "Becoming a **BillBoard Video** Preferred Provider was in every way a 'no-brainer,'" said Mike Triantafellou, vice president of...

...not cost us anything and, in fact, is an ad r evenue sharing proposition with **BillBoard Video** ."

The Pantry will have the **BillBoard Video** technology installed in all 1,300 of its c-stores in the southern United States...

...Forming a partnership with The Pantry was an obvious decision," said William Hall, president of **BillBoard Video** . "They are the second-largest and the fastest-growing independently operated convenience-store chain in...

...will begin receiving Integrated Media Display monitors that are connected to a network controlled by **BillBoard Video** .

"How could we resist the offer?" said Brad Butcher, national facility revenue manager for Pilot...

COMPANY NAMES: **BillBoard Video Inc.**

16/3,K/16 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

12626029 SUPPLIER NUMBER: 65105703  
**TECH BRIEFS.(Techtv software, Billboard Video advertising, Universal Music Group music programming) (Brief Article)**  
Electronic Media, 19, 20  
Sept 4, 2000  
DOCUMENT TYPE: Brief Article ISSN: 0745-0311 LANGUAGE: English  
RECORD TYPE: Citation

**TECH BRIEFS.(Techtv software, Billboard Video advertising, Universal Music Group music programming) (Brief Article)**

COMPANY NAMES: **BillBoard Video --**  
NAICS CODES: 4471 **Gasoline Stations** ; 51121 Software Publishers;  
334419 Other Electronic Component Manufacturing; 51222 Integrated  
Record Production/Distribution

**16/3,K/17 (Item 4 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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12537405 SUPPLIER NUMBER: 64982196 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp.**  
**Locations.**  
Business Wire, 0233  
August 28, 2000  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 773 LINE COUNT: 00070

**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp.**  
**Locations.**

FRISCO, Texas--(BUSINESS WIRE)--Aug. 28, 2000

**BillBoard Video** announced today that it will immediately begin supplying their new, revolutionary, wireless technology to 137 Pilot stores throughout the United States.

**BillBoard Video** is the first and only company to deliver full motion video advertisements, through a Wireless Media Network(TM), to consumers close to the point of purchase -- the **gasoline pump** .

Pilot Corp., a leading interstate retailer that offers restaurant chains within their travel centers, will begin receiving Integrated Media Display(TM) monitors that are connected to a network controlled by **BillBoard Video** . The network provides location specific, wireless, Internet-delivered, video advertisements to the captive audience at the **gas pump** . **BillBoard Mediaware(TM)**, the proprietary, network management software, is compatible with any existing **gasoline dispensing** equipment. **BillBoard Video** 's Integrated Media Display(TM) monitors are supplied at no charge to the retailer and...

...to differentiate ourselves from other convenience stores and increase customer satisfaction and loyalty."

About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** are equipped with a computer that uses a wireless technology. **BillBoard Video** 's proprietary Wireless



Media Network(TM) software, BillBoard Mediaware(TM), downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video**, Inc. has a patent pending on the software, BillBoard Mediaware(TM), and the video monitor...

...network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

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...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 866...

16/3,K/18 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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12503641 SUPPLIER NUMBER: 64525300 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
BILLBOARD VIDEO UNVEILS TECHNOLOGY BEHIND REVOLUTIONARY WIRELESS MEDIA NETWORK.

EFT Report, 23, 17, NA

August 23, 2000

ISSN: 0195-7287

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 181

LINE COUNT: 00019

BILLBOARD VIDEO UNVEILS TECHNOLOGY BEHIND REVOLUTIONARY WIRELESS MEDIA NETWORK.

TEXT:

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...network that provides location specific, wireless, Internet-delivered, full-motion video advertisements directly to the **gas pump**. **BillBoard Video** provides **gasoline stations** with monitors, Integrated Media Display, and an on-location computer that is wirelessly linked to their network, at no charge, as part of a revenue sharing proposition. **BillBoard Video**'s Wireless Media Network software, BillBoard Mediaware, downloads each location's specific media schedule from...

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(S. Bell, Inc. for **BillBoard Video** Inc., Sandy Bell,  
214/221-5588.)

16/3,K/19 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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12491439 SUPPLIER NUMBER: 64387275 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology.**

PR Newswire, 5065

August 21, 2000

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 816 LINE COUNT: 00073

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16/3,K/20 (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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12488375 SUPPLIER NUMBER: 64359694 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**BillBoard Video Unveils Technology Behind Revolutionary Wireless Media Network(TM)**.

PR Newswire, NA

August 18, 2000

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 563 LINE COUNT: 00051

**BillBoard Video Unveils Technology Behind Revolutionary Wireless Media Network(TM)**.

Today, William Hall, chief executive officer of **BillBoard Video**, Inc. introduced the technology and components behind his company's new Wireless Media Network(TM)...

...network to provide location specific, wireless, Internet-delivered, full-motion video advertisements directly to the **gas pump**.

"Our network combines the very latest in wireless, Internet, and e-commerce technologies," said Hall. "We've developed a monitor that is compatible with any **gasoline dispenser**, and combined it with a wireless network to provide advertisers and gasoline retailers a cross...

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...s incredibly effective and completely transforms the out-of-home advertising paradigm."

Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

16/3,K/21 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

12472038 SUPPLIER NUMBER: 64155146 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**BillBoard Video , Inc. Wins FFP Contract; First of 400+ Installations Complete.**

PR Newswire, NA

August 14, 2000

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 740 LINE COUNT: 00066

**BillBoard Video , Inc. Wins FFP Contract; First of 400+ Installations Complete.**

William Hall, chief executive officer of **BillBoard Video** , Inc., announced today that a contract was signed to incorporate 400 FFP Marketing locations into their new and revolutionary Wireless Media Network(TM).

Under the terms of their exclusive contract, **BillBoard Video** will install their state-of-the-art Integrated Media Display(TM) monitors into all of the FFP-operated **gasoline stations** . The monitors are connected to a network that provides location specific, wireless, Internet-delivered video advertisements directly to the captive audience at the **gas pump** . The first FFP installation was completed in July at a **gasoline station** in Fort Worth, Texas. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet- delivered, full motion video to the **gas pump** .

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16/3,K/22 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2006 The Gale Group. All rts. reserv.

02627131 Supplier Number: 64982196 (USE FORMAT 7 FOR FULLTEXT)

**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp.**

**Locations.**

Business Wire, p0233

August 28, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 733

**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp.**

**Locations.**

FRISCO, Texas--(BUSINESS WIRE)--Aug. 28, 2000

**BillBoard Video** announced today that it will immediately begin supplying their new, revolutionary, wireless technology to 137 Pilot stores throughout the United States.

**BillBoard Video** is the first and only company to deliver full motion video advertisements, through a Wireless Media Network(TM), to consumers close to the point of purchase -- the **gasoline pump**.

Pilot Corp., a leading interstate retailer that offers restaurant chains within their travel centers, will begin receiving Integrated Media Display(TM) monitors that are connected to a network controlled by **BillBoard Video**. The network provides location specific, wireless, Internet-delivered, video advertisements to the captive audience at the **gas pump**. **BillBoard Mediaware(TM)**, the proprietary, network management software, is compatible with any existing **gasoline dispensing** equipment. **BillBoard Video**'s Integrated Media Display(TM) monitors are supplied at no charge to the retailer and...

...to differentiate ourselves from other convenience stores and increase customer satisfaction and loyalty."

About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** are equipped with a computer that uses a wireless technology. **BillBoard Video** 's proprietary Wireless Media Network(TM) software, BillBoard Mediaware(TM), downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video**, Inc. has a patent pending on the software, BillBoard Mediaware(TM), and the video monitor...

...network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About **BillBoard Video**, Inc.

**BillBoard Video** is revolutionizing out-of-home media advertising by creating the first Wireless Media Network(TM). Entrepreneurial visionary William Hall founded **BillBoard Video**. A veteran in the petroleum industry, Hall pioneered cross marketing in this industry by introducing...

...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 866...

16/3,K/23 (Item 2 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2006 The Gale Group. All rts. reserv.

02615960 Supplier Number: 64428672 (USE FORMAT 7 FOR FULLTEXT)

**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology.**

PR Newswire, p5065

August 21, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 773

**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology.**

**BillBoard Video**, the first and only company to provide full motion video advertisements through a Wireless Media...

...300 Pantry locations into their revolutionary network, making the convenience store chain a Preferred Retailer.

**BillBoard Video** will provide Integrated Media Display(TM) monitors, into Pantry operated convenient stores throughout the southern...

...provides location specific, wireless, Internet-delivered, video advertisements directly to the captive audience at the **gas pump**. This will create a new profit center for the convenience store.

"This idea and the...

...Forming a partnership with The Pantry was an obvious decision," said William Hall, president of **BillBoard Video**. "They are the second largest and the fastest growing independently operated convenience store chain in the country. This will increase our distribution channel, maximizing exposure for the advertisers."

About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** receive the installation and equipment at no charge, as well as a percentage of the revenues generated from the advertisements. **BillBoard Video**'s proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video**, Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

...control glare. In addition, the display can be used with any brand or style of **gasoline dispenser**.

"We are creating a wireless out-of-home media network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

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...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

16/3,K/24 (Item 3 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2006 The Gale Group. All rts. reserv.

02614516 Supplier Number: 64387275 (USE FORMAT 7 FOR FULLTEXT)

**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology.**

PR Newswire, p5065

August 21, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 773

**Pantry, Inc. Signs With Billboard Video ; 1,300 Locations to Receive New Wireless Technology.**

**BillBoard Video**, the first and only company to provide full motion video advertisements through a Wireless Media...

...300 Pantry locations into their revolutionary network, making the convenience store chain a Preferred Retailer.

**BillBoard Video** will provide Integrated Media Display(TM) monitors, into Pantry operated convenient stores throughout the southern...

...provides location specific, wireless, Internet-delivered, video advertisements directly to the captive audience at the **gas pump**. This will create a new profit center for the convenience store.

"This idea and the...

...Forming a partnership with The Pantry was an obvious decision," said William Hall, president of **BillBoard Video**. "They are the second largest and the fastest growing independently operated convenience store chain in the country. This will increase our distribution channel, maximizing exposure for the advertisers."

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...product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** receive the installation and equipment at no charge, as well as a percentage of the revenues generated from the advertisements. **BillBoard Video**'s proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video**, Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

...control glare. In addition, the display can be used with any brand or style of **gasoline dispenser**.

"We are creating a wireless out-of-home media network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About **Billboard Video**, Inc.

**BillBoard Video** is revolutionizing out-of-home media advertising by creating the first Wireless Media Network(TM). Entrepreneurial visionary William Hall founded **BillBoard Video**. A veteran in the petroleum industry, Hall pioneered cross marketing in this industry by introducing...

...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **BillBoard Video**



can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

16/3,K/25 (Item 4 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02614006 Supplier Number: 64359694 (USE FORMAT 7 FOR FULLTEXT)  
BillBoard Video Unveils Technology Behind Revolutionary Wireless Media  
Network(TM).

PR Newswire, pNA  
August 18, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 536

BillBoard Video Unveils Technology Behind Revolutionary Wireless Media  
Network(TM).

Today, William Hall, chief executive officer of BillBoard Video ,  
Inc. introduced the technology and components behind his company's new  
Wireless Media Network(TM...

...network to provide location specific, wireless, Internet-delivered,  
full- motion video advertisements directly to the gas pump .

"Our network combines the very latest in wireless, Internet, and e-  
commerce technologies," said Hall. "We've developed a monitor that is  
compatible with any gasoline dispenser , and combined it with a wireless  
network to provide advertisers and gasoline retailers a cross...  
...register by delivering promotional offers directly to the consumer,  
close to the point of purchase."

BillBoard Video provides gasoline stations with their  
state-of-the-art monitors, Integrated Media Display(TM), and an on-location  
...

...wirelessly linked to their network, at no charge, as part of a revenue  
sharing proposition. BillBoard Video 's proprietary Wireless Media  
Network(TM) software, BillBoard Mediaware(TM), downloads each location's  
specific...

...on location. Then, using wireless technology a second time, the data is  
transferred to the gasoline pumps . Because the technology is wireless,  
the installations do not cause down time or loss of revenues for gasoline  
stations due to cabling.

BillBoard Video , Inc. has a patent pending on the software,  
BillBoard Mediaware(TM), and the video monitor...

...Integrated Media Display(TM) to begin playing when the customer drives  
up," said Ron Stapp, BillBoard Video vice president, technology. "This  
gives us more time to advertise to the customer and creates...

...a specific location/s can be chosen), by company (a particular chain of  
convenience stores/ gas stations can be chosen), or by Region (a certain  
state/s can be chosen). Hall added...

...s incredibly effective and completely transforms the out-of-home  
advertising paradigm."

Additional information on BillBoard Video can be found online at  
<http://www.billboardvideo.com> or by phoning toll free 1...

16/3,K/26 (Item 5 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02608206 Supplier Number: 64155146 (USE FORMAT 7 FOR FULLTEXT)  
BillBoard Video , Inc. Wins FFP Contract; First of 400+ Installations  
Complete.  
PR Newswire, pNA  
August 14, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 700

BillBoard Video , Inc. Wins FFP Contract; First of 400+ Installations  
Complete.

William Hall, chief executive officer of BillBoard Video , Inc., announced today that a contract was signed to incorporate 400 FFP Marketing locations into their new and revolutionary Wireless Media Network(TM).

Under the terms of their exclusive contract, BillBoard Video will install their state-of-the-art Integrated Media Display(TM) monitors into all of the FFP-operated gasoline stations . The monitors are connected to a network that provides location specific, wireless, Internet-delivered video advertisements directly to the captive audience at the gas pump . The first FFP installation was completed in July at a gasoline station in Fort Worth, Texas. BillBoard Video is the first and, to date, only company to provide wireless, Internet- delivered, full motion video to the gas pump .

"Becoming a BillBoard Video Preferred POS Provider was in every way a 'no brainer'," said Mike Triantafellou, vice president...

...did not cost us anything and, in fact, is an ad revenue sharing proposition with BillBoard Video ."

About the BillBoard Video technology

The BillBoard Video monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase. The gasoline stations are equipped with a computer that uses a wireless technology. BillBoard Video 's proprietary Wireless Media Network(TM) software, BillBoard Mediaware(TM), downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the gasoline pumps . Because the technology is wireless, the installations do not cause down time or loss of revenues for gasoline stations due to cabling.

Billboard Video , Inc. has a patent pending on the software, BillBoard Mediaware(TM), and the video monitor...

...network that communicates to people on the go," said William Hall. "We are starting with gas stations and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About BillBoard Video , Inc.

BillBoard Video is revolutionizing out-of-home media advertising by creating the first Wireless Media Network(TM). Entrepreneurial visionary William Hall founded BillBoard Video . A veteran in the petroleum industry, Hall pioneered cross marketing in this industry by introducing...

...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

16/3,K/27 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

04761342 Supplier Number: 64525300 (USE FORMAT 7 FOR FULLTEXT)  
**BILLBOARD VIDEO UNVEILS TECHNOLOGY BEHIND REVOLUTIONARY WIRELESS MEDIA NETWORK.**  
EFT Report, v23, n17, pNA  
August 23, 2000  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 167

(USE FORMAT 7 FOR FULLTEXT)  
**BILLBOARD VIDEO UNVEILS TECHNOLOGY BEHIND REVOLUTIONARY WIRELESS MEDIA NETWORK.**  
TEXT:  
Frisco, Texas-based **BillBoard Video** Inc.'s Chief Executive Officer, William Hall, Aug. 18 introduced the technology and components behind...

...network that provides location specific, wireless, Internet-delivered, full-motion video advertisements directly to the **gas pump**. **BillBoard Video** provides **gasoline stations** with monitors, Integrated Media Display, and an on-location computer that is wirelessly linked to their network, at no charge, as part of a revenue sharing proposition. **BillBoard Video** 's Wireless Media Network software, BillBoard Mediaware, downloads each location's specific media schedule from...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling. **BillBoard Video** Inc. has a patent pending on the BillBoard Mediaware software and the Integrated Media Display...  
(S. Bell, Inc. for **BillBoard Video** Inc., Sandy Bell, 214/221-5588.)

16/3,K/28 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02353917 Supplier Number: 25888716 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Going Way Beyond Pay at the Pump**  
( **BillBoard Video** to install Integrated Media Display Monitors with **Wireless Media Network** software, featuring full-motion video advertisements, at all of the gasoline pumps at Phillips Petroleum's almost 300 convenience store locations)  
Confectioner, v 85, n 6-7, p 58  
November 2000  
DOCUMENT TYPE: Journal ISSN: 1047-8346 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 143

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
( BillBoard Video to install Integrated Media Display Monitors with  
Wireless Media Network software, featuring full-motion video  
advertisements, at all of the gasoline pumps at Phillips Petroleum's  
almost 300 convenience store locations)

TEXT:

Phillips Petroleum outlets will be the first to feature full-motion video  
advertisements at the gasoline pump using a Wireless Media Network  
technology supplied by BillBoard Video .

Phillips has signed a contract to install BillBoard's new technology into  
all of its nearly 300 convenience store locations. The agreement allows  
BillBoard Video to install its Integrated Media Display Monitors into  
each gasoline pump at the Phillips stores and connect them into its  
wireless network.

BillBoard's proprietary software...

...used to download each location's specific media schedule over the  
Internet, directly to the gas pump .

The video screen technology is compatible with existing gasoline pumps ,  
the company reports. Two options are available. One features a monitor that  
fits inside the...

COMPANY NAMES: BILLBOARD VIDEO ;  
...PRODUCT NAMES: Gasoline stations (554023

16/3,K/29 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02349656 Supplier Number: 25918514  
BillBoard Video Strengthens Out-Of-Home Advertising  
( Billboard Video will install its Wireless Media Network into over 131  
Town & Country Food Stores in New Mexico and Texas)  
Response, v 9, n 3, p 94  
December 2000  
DOCUMENT TYPE: Journal ISSN: 1077-5439 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 68

BillBoard Video Strengthens Out-Of-Home Advertising  
( Billboard Video will install its Wireless Media Network into over 131  
Town & Country Food Stores in New...  
)

TEXT:

DALLAS-BASED BILLBOARD VIDEO INC. recently signed a contract with Town  
& Country Food Stores to install their Wireless Media...

...full motion video technology that is displayed from the point of  
purchase (i.e. the gasoline pump , or check out register).  
Advertisements and promotions are offered through the network to consumers  
as...

COMPANY NAMES: BILLBOARD VIDEO ;

16/3,K/30 (Item 3 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02303775 Supplier Number: 25893470 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Billboard Video Plays Ads at Gas Station Pumps  
( Billboard Video signing pacts enabling it to provide commercials at  
16,000 gas station pumps via wireless Internet; projected monthly  
viewership is 30 mil consumers)  
AdWeek Southeast, v XXI, n 45, p 6  
November 06, 2000  
DOCUMENT TYPE: Journal ISSN: 8756-6389 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 328

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
Billboard Video Plays Ads at Gas Station Pumps  
( Billboard Video signing pacts enabling it to provide commercials at  
16,000 gas station pumps via wireless Internet; projected monthly  
viewership is 30 mil consumers)

TEXT:  
By J. Dee Hill

DALLAS-- **BillBoard Video** is amassing a network which will enable it to  
present commercials via wireless Internet at 16,000 **gas station** pumps  
with a projected viewer-ship of 30 million consumers monthly.

photo omitted

Since its...  
...of advertising for one day is \$20. With 1,000 customers expected to  
visit a **gas station** daily, the cost per thousand is \$20.

The idea for **BillBoard** evolved from Hall's last company, which installed  
**gas pumps** at convenience stores.

"One of the things we did to help drive traffic inside the...

COMPANY NAMES: BILLBOARD VIDEO  
PRODUCT NAMES: Gasoline stations (554023...

16/3,K/31 (Item 4 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02303720 Supplier Number: 25898053 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**From elevators to gas stations , ads multiplying**  
(More options for reaching consumers out of home using digital media keep  
popping up as part of \$4.8 bil outside advertising field)  
Advertising Age, v 71, n 47, p 40+  
November 13, 2000  
DOCUMENT TYPE: Journal ISSN: 0001-8899 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1703

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**From elevators to gas stations , ads multiplying**

TEXT:

...Captivate Network's elevator advertising and news content, provided via wireless flat-panel screens, to **Billboard Video** 's wireless technology, which brings news and ads to the **gas pump** . That means the average person could be bombarded with commercial messages without turning on a...  
...our environment, literally, people are in a box. It's the advertiser's ultimate dream."

**Billboard Video** provides wireless news content interspersed with 15-, 30-, or 60-second spots at **gas pumps** via 12-inch screens equipped with both audio and video. The Dallas-based company promotes the **gas station** as a prime place to connect with today's on-the-go consumer--70% of Americans go to the **gas station** 1.5 times a week and spend an average of 6 minutes at the pump, said **Billboard Video** CEO William Hall.

Perhaps most advanced in its customization capability is CashPoint, which delivers spots...

...billboards.

CashPoint's ATM advertiser roster includes Amazon.com, Burger King Corp. and Subway Restaurants. **Billboard Video** , which has only five of its 10,000 contracted **gas station** locations installed, does not yet have any advertiser agreements. But it plans to charge a...

...point, however, there is nothing to share, as none of the four privately held companies-- **Billboard Video** , Captivate, CashPoint and Next Generation Network--is turning a profit.

"Unfortunately, whenever you have a...

**16/3,K/32 (Item 5 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)

(c) 2006 The Gale Group. All rts. reserv.

02249212 Supplier Number: 25826249

**TECH BRIEFS: Video ads go from Net to gas pumps**  
( **Billboard Video 's Wireless Media Network will provide full-motion video ads through monitors at Pilot gas stations** )

Electronic Media, v 19, p 20

September 04, 2000

DOCUMENT TYPE: Journal ISSN: 0745-0311 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 82

**TECH BRIEFS: Video ads go from Net to gas pumps**  
( **Billboard Video 's Wireless Media Network will provide full-motion video ads through monitors at Pilot gas stations** )

TEXT:

**Billboard Video** will deliver full-motion video advertisements through its Wireless Media Network to consumers pumping up at Pilot Corp., a leading interstate gas retailer. **Billboard Video** 's Integrated Media Display monitors are supplied at no charge to Pilot. Its proprietary network management software-Billboard Mediaware-is compatible with any existing **gasoline - dispensing** equipment. Mediaware downloads each

location's specific media schedule from Billboard's headquarters via wireless...

...over the Internet to an on-site computer, where the data is transferred to the **gasoline pumps**.

COMPANY NAMES: **BILLBOARD VIDEO** ;  
PRODUCT NAMES: **Gasoline stations** (554023...

**16/3,K/33 (Item 1 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02098228 64503941  
**BillBoard Video plays ads at gas station pumps**  
Hill, J Dee  
Adweek v22n45 PP: 6 Nov 6, 2000  
ISSN: 0746-892X JRNL CODE: ADS  
WORD COUNT: 341

**BillBoard Video plays ads at gas station pumps**

ABSTRACT: **BillBoard Video** is amassing a network which will enable it to present commercials via wireless Internet at 16,000 **gas station pumps** with a projected viewership of 30 million consumers monthly. Bill Hall, president of BillBoard...

TEXT: DALLAS- **BillBoard Video** is amassing a network which will enable it to present commercials via wireless Internet at 16,000 **gas station pumps** with a projected viewership of 30 million consumers monthly.

Since its introduction in August...

...of advertising for one day is \$20. With 1,000 customers expected to visit a **gas station** daily, the cost per thousand is \$20.

The idea for BillBoard evolved from Hall's last company, which installed **gas pumps** at convenience stores.

"One of the things we did to help drive traffic inside the...

**16/3,K/34 (Item 2 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02093369 63919376  
**From elevators to gas stations , ads multiplying**  
Beardi, Cara  
Advertising Age v71n47 PP: 40-42 Nov 13, 2000  
ISSN: 0001-8899 JRNL CODE: ADA

**From elevators to gas stations , ads multiplying**

...ABSTRACT: Captivate Network's elevator advertising and news content, provided via wireless flat-panel screens, to **Billboard Video** 's wireless technology, which brings news and ads to the **gas pump**. That means the average person could be bombarded with commercial messages without turning on a...

16/3,K/35 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

12747527 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Video Ads Target Motorists while Refueling at Convenience Store Gas Pumps**

Sandra Baker

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (FORT WORTH STAR-TELEGRAM - TEXAS)

September 08, 2000

JOURNAL CODE: KFWT LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 890

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**Video Ads Target Motorists while Refueling at Convenience Store Gas Pumps**

... twice a week, consumers have to buy gas, so what better place than at the **gas pump** to draw someone's attention?

"We have nothing to do in front of the **gas pump**," Hall says.

After a five-month test program at the Drivers Travelmart on Interstate 35 near N.E. 28th St. in Fort Worth, the chief executive of **BillBoard Video** is ready to roll out this new advertising method.

He calls it the Wireless Media Network, or a system that provides Internet-delivered "full-motion video advertisements" directly to the **gas pump**.

Translated, it means you're watching a three-minute loop of commercials on a 12...

... for the new medium about four years ago while working with a company that built **gas stations** in front of grocery stores. Hall was installing six-inch video monitors that ran advertisements...

...the pump, staring into space.

Last year, Texas led all states in the amount of **gas pumped** at convenience stores, Lenard said. The 12,400 convenience stores in Texas pumped 14.2...

...City, Pa.

The Pantry, one of the nation's largest convenience store operators, will allow **BillBoard Video** to install the network at 1,300 stores in the South.

Pilot Corp., a national operator of 180 travel centers in 37 states, will let **BillBoard Video** install monitors at 137 locations.

Hall said no advertisers have agreed to buy advertising through...  
...test, conducted on 16 screens at eight pumps at the Drivers Travelmart.

The pitch to **gas stations** is simple.

"We install it for free and we sell the advertising on the screen..."

16/3,K/36 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

12577283 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp. Locations**  
BUSINESS WIRE

Sylvia Keys

20-Apr-06 10:19 AM



August 28, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 719

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp. Locations**

FRISCO, Texas--(BUSINESS WIRE)--Aug. 28, 2000-- **BillBoard Video** announced today that it will immediately begin supplying their new, revolutionary, wireless technology to 137 Pilot stores throughout the United States.

**BillBoard Video** is the first and only company to deliver full motion video advertisements, through a Wireless Media Network(TM), to consumers close to the point of purchase -- the **gasoline pump**.

... begin receiving Integrated Media Display(TM) monitors that are connected to a network controlled by **BillBoard Video**. The network provides location specific, wireless, Internet-delivered, video advertisements to the captive audience at the **gas pump**. **BillBoard Mediaware(TM)**, the proprietary, network management software, is compatible with any existing **gasoline dispensing** equipment. **BillBoard Video**'s Integrated Media Display(TM) monitors are supplied at no charge to the retailer and...

... to differentiate ourselves from other convenience stores and increase customer satisfaction and loyalty."

About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

... product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** are equipped with a computer that uses a wireless technology. **BillBoard Video**'s proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

... on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video**, Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

... network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

... cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About **BillBoard Video**, Inc.

**BillBoard Video** is revolutionizing out-of-home media advertising by creating the first Wireless Media Network(TM). Entrepreneurial visionary William Hall founded **BillBoard Video**. A veteran in the petroleum industry, Hall pioneered cross marketing in this industry by introducing...

... latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll

free 866...

... on Pilot Corp., visit the company's Web site at <http://www.pilotcorp.com>.

CONTACT: **BillBoard Video**, Inc. Christa Osswald, 214/221-5588  
cosswald@flash.net

11:53 EDT AUGUST 28, 2000

**16/3,K/37 (Item 3 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter

(c) 2006 Dialog. All rts. reserv.

12495843 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology**

PR NEWSWIRE

August 21, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 770

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**Pantry, Inc. Signs With BillBoard Video ; 1,300 Locations to Receive New Wireless Technology**

FRISCO, Texas, Aug. 21 /PRNewswire/ -- **BillBoard Video**, the first and only company to provide full motion video advertisements through a Wireless Media...

... 300 Pantry locations into their revolutionary network, making the convenience store chain a Preferred Retailer.

**BillBoard Video** will provide Integrated Media Display(TM) monitors, into Pantry operated convenient stores throughout the southern... provides location specific, wireless, Internet- delivered, video advertisements directly to the captive audience at the **gas pump**. This will create a new profit center for the convenience store.

... Forming a partnership with The Pantry was an obvious decision," said William Hall, president of **BillBoard Video**. "They are the second largest and the fastest growing independently operated convenience store chain in the country. This will increase our distribution channel, maximizing exposure for the advertisers."

About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

... product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** receive the installation and equipment at no charge, as well as a percentage of the revenues generated from the advertisements. **BillBoard Video**'s proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

... on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video**, Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

... control glare. In addition, the display can be used with any brand or style of **gasoline dispenser**.

"We are creating a wireless out-of-home media network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

... cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About **Billboard Video**, Inc.

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... latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **Billboard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **Billboard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

... media, Christa Osswald of S. Bell, Inc., 214-221-5588, or [cosswald@flash.net](mailto:cosswald@flash.net), for **Billboard Video**, Inc./ 12:43 EDT

16/3,K/38 (Item 4 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

12465843 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Billboard Video Unveils Technology Behind Revolutionary Wireless Media Network(TM)**  
PR NEWSWIRE  
August 18, 2000  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 539

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Billboard Video Unveils Technology Behind Revolutionary Wireless Media Network(TM)**

DALLAS, Aug. 18 /PRNewswire/ -- Today, William Hall, chief executive officer of **Billboard Video**, Inc. introduced the technology and components behind his company's new Wireless Media Network(TM...

... network to provide location specific, wireless, Internet-delivered, full-motion video advertisements directly to the **gas pump**.

"Our network combines the very latest in wireless, Internet, and e-commerce technologies," said Hall. "We've developed a monitor that is compatible with any **gasoline dispenser**, and combined it with a wireless network to provide advertisers and gasoline retailers a cross...

**Billboard Video** provides **gasoline stations** with their state-of-the-art monitors, Integrated Media Display(TM), and an on-location ...

... wirelessly linked to their network, at no charge, as part of a revenue sharing proposition. **Billboard Video**'s proprietary Wireless Media Network(TM) software, **Billboard Mediaware(TM)**, downloads each location's specific...

... on location. Then, using wireless technology a second time, the data is

transferred to the **gasoline pumps** . Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**BillBoard Video** , Inc. has a patent pending on the software, BillBoard Mediaware(TM), and the video monitor...

... Integrated Media Display(TM) to begin playing when the customer drives up," said Ron Stapp, **BillBoard Video** vice president, technology. "This gives us more time to advertise to the customer and creates...

... a specific location/s can be chosen), by company (a particular chain of convenience stores/ **gas stations** can be chosen), or by Region (a certain state/s can be chosen). Hall added...

... s incredibly effective and completely transforms the out-of-home advertising paradigm."

Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

... CONTACT: Sandy Bell of S. Bell, Inc., 214-221-5588, or [skb@flash.net](mailto:skb@flash.net), for **BillBoard Video** , Inc./ 12:30 EDT

16/3,K/39 (Item 5 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

12384044 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**BillBoard Video , Inc. Wins FFP Contract; First of 400+ Installations Complete**  
PR NEWSWIRE  
August 14, 2000  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 699

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
**BillBoard Video , Inc. Wins FFP Contract; First of 400+ Installations Complete**

FRISCO, Texas, Aug. 14 /PRNewswire/ -- William Hall, chief executive officer of **BillBoard Video** , Inc., announced today that a contract was signed to incorporate 400 FFP Marketing locations into their new and revolutionary Wireless Media Network(TM).

Under the terms of their exclusive contract, **BillBoard Video** will install their state-of-the-art Integrated Media Display(TM) monitors into all of the FFP-operated **gasoline stations** . The monitors are connected to a network that provides location specific, wireless, Internet-delivered video advertisements directly to the captive audience at the **gas pump** . The first FFP installation was completed in July at a **gasoline station** in Fort Worth, Texas. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet- delivered, full motion video to the **gas pump** .

"Becoming a **BillBoard Video** Preferred POS Provider was in every way a 'no brainer'," said Mike Triantafellou, vice president...

... did not cost us anything and, in fact, is an ad revenue sharing proposition with **BillBoard Video** ."

About the **BillBoard Video** technology  
The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

... product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** are equipped with a computer that uses a wireless technology. **BillBoard Video** 's proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

... on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video**, Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

... network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

... cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

About **BillBoard Video**, Inc.

**BillBoard Video** is revolutionizing out-of-home media advertising by creating the first Wireless Media Network(TM). Entrepreneurial visionary William Hall founded **BillBoard Video**. A veteran in the petroleum industry, Hall pioneered cross marketing in this industry by introducing...

... latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

... CONTACT: Sandy Bell of S. Bell, Inc., 214-221-5588, or [skb@flash.net](mailto:skb@flash.net), for **BillBoard Video**, Inc./ 11:51 EDT

NAICS CODES/DESCRIPTIONS: 4471 ( **Gasoline Stations** )

16/3,K/40 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2006 Business Wire. All rts. reserv.

00351873 20000828241B7348 (USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp. Locations**  
Business Wire  
Monday, August 28, 2000 12:07 EDT  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 723

**BillBoard Video to Deploy Wireless Media Network to 137 Pilot Corp. Locations**

TEXT:

**BillBoard Video** announced today that it will immediately begin supplying their new, revolutionary, wireless technology to 137 Pilot stores throughout the United States.

**BillBoard Video** is the first and only company to deliver full motion

Sylvia Keys

20-Apr-06 10:19 AM

video advertisements, through a Wireless Media Network(TM), to consumers close to the point of purchase -- the **gasoline pump** .  
...begin receiving Integrated Media Display(TM) monitors that are connected to a network controlled by **BillBoard Video** .  
The network provides location specific, wireless, Internet-delivered, video advertisements to the captive audience at the **gas pump** . **BillBoard Mediaware(TM)**, the proprietary, network management software, is compatible with any existing **gasoline dispensing** equipment. **BillBoard Video** 's Integrated Media Display(TM) monitors are supplied at no charge to the retailer and...  
  
...to differentiate ourselves from other convenience stores and increase customer satisfaction and loyalty."

#### About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase.  
The **gasoline stations** are equipped with a computer that uses a wireless technology. **BillBoard Video** 's proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps** . Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video** , Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

...network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...  
...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

#### About **BillBoard Video** , Inc.

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...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump**. Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 866...

...on Pilot Corp., visit the company's Web site at <http://www.pilotcorp.com>.

CONTACT: **BillBoard Video**, Inc.  
Christa Osswald, 214/221-5588  
[cosswald@flash.net](mailto:cosswald@flash.net)

URL: <http://www.businesswire.com>

...COMPANY NAMES: **BILLBOARD VIDEO** ;  
...INDUSTRY NAMES: **PETROL STATIONS** ;

16/3,K/41 (Item 1 from file: 613)  
DIALOG(R)File 613:PR Newswire  
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00399275 20000821DAM038 (USE FORMAT 7 FOR FULLTEXT)  
**Pantry, Inc. Signs with Billboard Video ; 1,300 Locations to Receive New Wireless Technology**  
PR Newswire  
Monday, August 21, 2000 12:43 EDT  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 784

**Pantry, Inc. Signs with Billboard Video ; 1,300 Locations to Receive New Wireless Technology**

TEXT:  
**BillBoard Video**, the first and only company to provide full motion video advertisements through a Wireless Media...

...300 Pantry locations into their revolutionary network, making the convenience store chain a Preferred Retailer.  
**BillBoard Video** will provide Integrated Media Display(TM) monitors, into Pantry operated convenient stores throughout the southern...

...provides location specific, wireless, Internet-delivered, video advertisements directly to the captive audience at the **gas pump**. This will create a new profit center for the convenience store.

...Forming a partnership with The Pantry was an obvious decision," said William Hall, president of **BillBoard Video**. "They are the second largest and the fastest growing independently operated convenience store chain in the

country. This will increase our distribution channel, maximizing exposure for the advertisers."

About the **BillBoard Video** Technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** receive the installation and equipment at no charge, as well as a percentage of the revenues generated from the advertisements. **BillBoard Video** 's proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps** . Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video** , Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

...control glare.

In addition, the display can be used with any brand or style of **gasoline dispenser** .

"We are creating a wireless out-of-home media network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

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...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump** . Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

...customers. More information on The Pantry can be



obtained at <http://www.thepantry.com>.

SOURCE **BillBoard Video** , Inc.

CONTACT: media, Christa Osswald of S. Bell, Inc., 214-221-5588, or  
cosswald@flash.net, for **BillBoard Video** , Inc.

Web site: <http://www.thepantry.com> <http://www.billboardvideo.com>

COMPANY NAMES: **BillBoard Video** , Inc...

...INDUSTRY NAMES: **PETROL STATIONS** ;

**16/3,K/42 (Item 2 from file: 613)**

DIALOG(R)File 613:PR Newswire

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00398355 20000818DAF019 (USE FORMAT 7 FOR FULLTEXT)

**Billboard Video Unveils Technology Behind Revolutionary Wireless Media Network(TM)**

PR Newswire

Friday, August 18, 2000 12:30 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 554

**Billboard Video Unveils Technology Behind Revolutionary Wireless Media Network(TM)**

TEXT:

Today, William Hall, chief executive officer of **BillBoard Video** , Inc. introduced the technology and components behind his company's new Wireless Media Network(TM...

...network to provide location specific, wireless, Internet-delivered, full-

motion video advertisements directly to the **gas pump** .

"Our network combines the very latest in wireless, Internet, and e-commerce technologies," said Hall. "We've developed a monitor that is compatible with any **gasoline dispenser** , and combined it with a wireless network to provide advertisers and gasoline retailers a cross...

**BillB oard Video** provides **gasoline stations** with their state-of-the-art monitors, Integrated Media Display(TM), and an on-location...

...wirelessly linked to their network, at no charge, as part of a revenue sharing proposition. **BillBoard Video** 's proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps**

. Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**BillBoard Video** , Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...

...Integrated Media Display(TM) to begin playing when the customer drives up," said Ron Stapp, **BillBoard Video** vice president, technology. "This gives us more time to advertise to the customer and creates...

...a specific location/s can be chosen), by company (a particular chain of convenience stores/ **gas stations** can be chosen), or by Region (a certain state/s can be chosen). Hall added...

...s incredibly effective and completely transforms the out-of-home advertising paradigm."

Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1-866-BBVIDEO.

SOURCE **BillBoard Video** , Inc.  
CONTACT: Sandy Bell of S. Bell, Inc., 214-221-5588, or [skb@flash.net](mailto:skb@flash.net), for **BillBoard Video** , Inc.  
Web site: <http://www.sbellinc.com>  
Web site: <http://www.billboardvideo.com>  
COMPANY NAMES: **BillBoard Video** , Inc.  
...INDUSTRY NAMES: **PETROL STATIONS** ;

16/3,K/43 (Item 3 from file: 613)  
DIALOG(R)File 613:PR Newswire  
(c) 2006 PR Newswire Association Inc. All rts. reserv.

00394807 20000814DAM032 (USE FORMAT 7 FOR FULLTEXT)  
Billboard Video , Inc. Wins Ffp Contract; First of 400+ Installations Complete  
PR Newswire  
Monday, August 14, 2000 11:51 EDT  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 717

Billboard Video , Inc. Wins Ffp Contract; First of 400+ Installations Complete

TEXT:  
William Hall, chief executive officer of **BillBoard Video** , Inc., announced today that a contract was signed to incorporate 400 FFP Marketing locations into their new and revolutionary Wireless Media Network(TM).

Under the terms of their exclusive contract, **BillBoard Video** will install their state-of-the-art Integrated Media Display(TM) monitors into all of the FFP-operated **gasoline stations** . The monitors are connected to a network that provides location specific, wireless, Internet-delivered video advertisements directly to the captive audience at the **gas pump** . The first FFP installation

was completed in July at a **gasoline station** in Fort Worth, Texas.  
**BillBoard**

**Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump** .

"Becoming a **BillBoard Video** Preferred POS Provider was in every way a 'no brainer'," said Mike Triantafellou, vice president...

...did not cost us anything  
and, in fact, is an ad revenue sharing proposition with **BillBoard Video** ."

About the **BillBoard Video** technology

The **BillBoard Video** monitors incorporate the use of a wireless data network that combines the latest in wireless...

...product and promotional offers directly to the consumer, close to the point of purchase. The **gasoline stations** are equipped with a computer that uses a wireless technology. **BillBoard Video** 's proprietary Wireless Media Network(TM) software, **BillBoard Mediaware(TM)**, downloads each location's specific...

...on location. Then, using wireless technology a second time, the data is transferred to the **gasoline pumps** . Because the technology is wireless, the installations do not cause down time or loss of revenues for **gasoline stations** due to cabling.

**Billboard Video** , Inc. has a patent pending on the software, **BillBoard Mediaware(TM)**, and the video monitor...  
...network that communicates to people on the go," said William Hall. "We are starting with **gas stations** and convenience stores which total approximately 185,000 locations in the U.S. alone. This...

...cost per thousand significantly compared to traditional television, magazine, and Internet banner ad costs."

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...latest technologies to create a Wireless Media Network(TM) for the gasoline/convenience store market. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full motion video to the **gas pump** .  
Additional information on **BillBoard Video** can be found online at <http://www.billboardvideo.com> or by phoning toll free 1...

...terminal. More information on FFP Marketing can be obtained at <http://www.ffpmarketing.com>.

SOURCE **BillBoard Video**, Inc.

CONTACT: Sandy Bell of S. Bell, Inc., 214-221-5588, or [skb@flash.net](mailto:skb@flash.net), for **BillBoard Video**, Inc.

Web site: <http://www.ffpmarketing.com> <http://www.billboardvideo.com>

COMPANY NAMES: **BillBoard Video**, Inc...

...INDUSTRY NAMES: **PETROL STATIONS** ;

**16/3,K/44 (Item 1 from file: 570)**

DIALOG(R)File 570:Gale Group MARS(R)

(c) 2006 The Gale Group. All rts. reserv.

02046084 Supplier Number: 71017018 (USE FORMAT 7 FOR FULLTEXT)

**Phillips 66 chooses BillBoard to provide gas - pump content.**

National Petroleum News, v92, n13, p42

Dec, 2000

ISSN: 0149-5267

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 178

(USE FORMAT 7 FOR FULLTEXT)

**Phillips 66 chooses BillBoard to provide gas - pump content.**

TEXT:

Phillips Petroleum Company, Bartlesville, Okla., and Dallas-based **BillBoard Video** in October signed a contract to install **BillBoard Video**'s new wireless technology into all Phillips convenience-store locations.

The agreement allows **BillBoard Video** to install their Integrated Media Display monitors into each **gasoline pump** at the Phillips stores and connect them into their Wireless Media Network. Phillips 66 has retail locations in Colorado, Utah, Missouri, Kansas, North Carolina, Oklahoma, New Mexico and Arizona.

"Because **BillBoard Video** delivers advertising and promotional offers to consumers close to the point of purchase, we are...

...as a leader in the out-of-home advertising industry," said William Hall, CEO of **BillBoard Video**. "Phillips' nearly 300 locations will increase our distribution channel for advertisers. Approximately 1000 consumers a...

**16/3,K/45 (Item 2 from file: 570)**

DIALOG(R)File 570:Gale Group MARS(R)

(c) 2006 The Gale Group. All rts. reserv.

02044480 Supplier Number: 71016921 (USE FORMAT 7 FOR FULLTEXT)

**BillBoard Video inks three contracts.**

National Petroleum News, v92, n11, p48

Oct, 2000

ISSN: 0149-5267

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 472

(USE FORMAT 7 FOR FULLTEXT)

BillBoard Video inks three contracts.

TEXT:

In August, Frisco, Texas-based **BillBoard Video**, Inc., announced that it had reached an agreement with FFP Marketing, Fort Worth, Texas, The...

Under the terms of their contract, **BillBoard Video** will install its state-of-the-art Integrated Media Display monitors into all of the FFP-operated **gasoline stations**. The monitors are connected to a network that provides location specific, wireless, Internet-delivered video advertisements directly to the captive audience at the **gas pump**. **BillBoard Video** is the first and, to date, only company to provide wireless, Internet-delivered, full-motion video to the **gas pump**. "Becoming a **BillBoard Video** Preferred Provider was in every way a 'no-brainer,'" said Mike Triantafellou, vice president of...

...not cost us anything and, in fact, is an ad revenue sharing proposition with **BillBoard Video**."

The Pantry will have the **BillBoard Video** technology installed in all 1,300 of its c-stores in the southern United States...

...Forming a partnership with The Pantry was an obvious decision," said William Hall, president of **BillBoard Video**. "They are the second-largest and the fastest-growing independently operated convenience-store chain in...

...will begin receiving Integrated Media Display monitors that are connected to a network controlled by **BillBoard Video**.

"How could we resist the offer?" said Brad Butcher, national facility revenue manager for Pilot...

COMPANY NAMES: \***BillBoard Video** Inc.

16/3,K/46 (Item 3 from file: 570)

DIALOG(R)File 570:Gale Group MARS(R)

(c) 2006 The Gale Group. All rights reserved.

02004564 Supplier Number: 67548478 (USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video Plays Ads at Gas Station Pumps.(Brief Article)**

Hill, J. Dee

ADWEEK Southeast, v21, n45, p6

Nov 6, 2000

ISSN: 8756-6389

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 357

(USE FORMAT 7 FOR FULLTEXT)

**BillBoard Video Plays Ads at Gas Station Pumps.(Brief Article)**

TEXT:

DALLAS-- **BillBoard Video** is amassing a network which will enable it to present commercials via wireless Internet at 16,000 **gas station** pumps with a projected viewership of 30 million consumers monthly.

... of advertising for one day is \$20. With 1,000 customers expected to visit a **gas station** daily, the cost per thousand is \$20.

The idea for **BillBoard** evolved from Hall's last company, which installed **gas** pumps at convenience stores.

"One of the things we did to help drive traffic inside the...

COMPANY NAMES: \***BillBoard Video**

16/3,K/47 (Item 4 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2006 The Gale Group. All rts. reserv.

02001373 Supplier Number: 67336741 (USE FORMAT 7 FOR FULLTEXT)  
**From elevators to gas stations , ads multiplying; Digital out-of-home media offer unique way to reach moving target. (Next Generation Network's e-billboard)**

Beardi, Cara  
Advertising Age, v71, p40  
Nov 20, 2000  
ISSN: 0001-8899  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1895

**From elevators to gas stations , ads multiplying; Digital out-of-home media offer unique way to reach moving target. (Next...**

... Captivate Network's elevator advertising and news content, provided via wireless flat-panel screens, to **Billboard Video** 's wireless technology, which brings news and ads to the **gas pump** . That means the average person could be bombarded with commercial messages without turning on a...

...our environment, literally, people are in a box. It's the advertiser's ultimate dream."

**Billboard Video** provides wireless news content interspersed with 15-, 30-, or 60-second spots at **gas pumps** via 12-inch screens equipped with both audio and video. The Dallas-based company promotes the **gas station** as a prime place to connect with today's on-the-go consumer -- 70% of Americans go to the **gas station** 1.5 times a week and spend an average of 6 minutes at the pump, said **Billboard Video** CEO William Hall.

Perhaps most advanced in its customization capability is CashPoint, which delivers spots...billboards.

CashPoint's ATM advertiser roster includes Amazon.com, Burger King Corp. and Subway Restaurants. **Billboard Video** , which has only five of its 10,000 contracted **gas station** locations installed, does not yet have any advertiser agreements. But it plans to charge a...

...point, however, there is nothing to share, as none of the four privately held companies -- **Billboard Video** , Captivate, CashPoint and Next Generation Network -- is turning a profit.

"Unfortunately, whenever you have a...

16/3,K/48 (Item 5 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2006 The Gale Group. All rts. reserv.

01999386 Supplier Number: 67321743 (USE FORMAT 7 FOR FULLTEXT)  
**BillBoard Video Plays Ads at Gas Station Pumps. (Brief Article)**

Hill, J. Dee  
ADWEEK Southwest, v22, n45, p6  
Nov 6, 2000  
ISSN: 0746-892X  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 357

(USE FORMAT 7 FOR FULLTEXT)

**BillBoard Video Plays Ads at Gas Station Pumps. (Brief Article)**

TEXT:

DALLAS-- **BillBoard Video** is amassing a network which will enable it to present commercials via wireless Internet at 16,000 **gas station** pumps with a projected viewership of 30 million consumers monthly.

... of advertising for one day is \$20. With 1,000 customers expected to visit a **gas station** daily, the cost per thousand is \$20.

The idea for **BillBoard** evolved from Hall's last company, which installed **gas pumps** at convenience stores.

"One of the things we did to help drive traffic inside the...

COMPANY NAMES: **\*BillBoard Video**; Pantry Inc.; Town and Country Food Stores Inc.; Phillips 66 Div.

NAICS CODES: 54181 (Advertising Agencies); 44512 (Convenience Stores); 4471 (**Gasoline Stations**)

ADVERTISING AGENCY: **BillBoard Video**

**16/3,K/49 (Item 6 from file: 570)**

DIALOG(R) File 570:Gale Group MARS(R)

(c) 2006 The Gale Group. All rts. reserv.

01995823 Supplier Number: 67005446 (USE FORMAT 7 FOR FULLTEXT)

**From elevators to gas stations , ads multiplying; Digital out-of-home media offer unique way to reach moving target. (marketing methods)**

Beardi, Cara

Advertising Age, v71, p40

Nov 13, 2000

ISSN: 0001-8899

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1895

**From elevators to gas stations , ads multiplying; Digital out-of-home media offer unique way to reach moving target. (marketing...**

... Captivate Network's elevator advertising and news content, provided via wireless flat-panel screens, to **Billboard Video** 's wireless technology, which brings news and ads to the **gas pump** . That means the average person could be bombarded with commercial messages without turning on a...

...our environment, literally, people are in a box. It's the advertiser's ultimate dream."

**Billboard Video** provides wireless news content interspersed with 15-, 30-, or 60-second spots at **gas pumps** via 12-inch screens equipped with both audio and video. The Dallas-based company promotes the **gas station** as a prime place to connect with today's on-the-go consumer -- 70% of Americans go to the **gas station** 1.5 times a week and spend an average of 6 minutes at the pump, said **Billboard Video** CEO William Hall.

Perhaps most advanced in its customization capability is CashPoint, which delivers spots...billboards.

CashPoint's ATM advertiser roster includes Amazon.com, Burger King Corp. and Subway Restaurants. **Billboard Video** , which has only five of its 10,000 contracted **gas station** locations installed, does not yet have any advertiser agreements. But it plans to charge a...

...point, however, there is nothing to share, as none of the four privately held companies -- **Billboard Video** , Captivate, CashPoint and Next Generation Network -- is turning a profit.

"Unfortunately, whenever you have a...

16/3,K/50 (Item 7 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2006 The Gale Group. All rts. reserv.

01973677 Supplier Number: 65105703 (USE FORMAT 7 FOR FULLTEXT)  
**TECH BRIEFS.(Techtv software, Billboard Video advertising, Universal  
Music Group music programming) (Brief Article)**  
Electronic Media, v19, p20  
Sept 4, 2000  
ISSN: 0745-0311  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 196

**TECH BRIEFS.(Techtv software, Billboard Video advertising, Universal  
Music Group music programming) (Brief Article)**  
... provider of multimedia-enabling technologies to Internet community  
sites.

Video ads go from Net to **gas pumps**  
**Billboard Video** will deliver full-motion video advertisements  
through its Wireless Media Network to consumers pumping up at Pilot Corp.,  
a leading interstate gas retailer. **Billboard Video** 's Integrated Media  
Display monitors are supplied at no charge to Pilot. Its proprietary  
network management software-Billboard Mediaware-is compatible with any  
existing **gasoline - dispensing** equipment. Mediaware downloads each  
location's specific media schedule from Billboard's headquarters via  
wireless...

...over the Internet to an on-site computer, where the data is transferred  
to the **gasoline pumps** .

Universal Music going broadband  
Universal Music Group will offer fans a slate of premium music...  
COMPANY NAMES: **\*BillBoar d Video** ; Universal Music Group; techtv; Pilot  
Corp.

NAICS CODES: 4471 ( **Gasoline Stations** ); 51121 (Software Publishers);  
334419 (Other Electronic Component Manufacturing); 51222 (Integrated  
Record Production/Distribution)

?



17/3,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

11033411 SUPPLIER NUMBER: 54622484  
**OMV suffers as margins collapse.**(COMPANIES & FINANCE: INTERNATIONAL)  
Hall, William  
Financial Times, 17  
May 13, 1999  
ISSN: 0307-1766 LANGUAGE: English RECORD TYPE: Citation

Hall, William

NAICS CODES: 4471 Gasoline Stations ; 551111 Offices of Bank Holding  
Companies  
?

File 1:ERIC 1966-2006/Mar  
      (c) format only 2006 Dialog  
 File 2:INSPEC 1898-2006/Apr W2  
      (c) 2006 Institution of Electrical Engineers  
 File 5:Biosis Previews(R) 1969-2006/Apr W3  
      (c) 2006 BIOSIS  
 File 6:NTIS 1964-2006/Apr W2  
      (c) 2006 NTIS, Intl Cpyrght All Rights Res  
 File 7:Social SciSearch(R) 1972-2006/Apr W2  
      (c) 2006 Inst for Sci Info  
 File 8:Ei Compendex(R) 1970-2006/Apr W2  
      (c) 2006 Elsevier Eng. Info. Inc.  
 File 9:Business & Industry(R) Jul/1994-2006/Apr 18  
      (c) 2006 The Gale Group  
 File 10:AGRICOLA 70-2006/Mar  
      (c) format only 2006 Dialog  
 File 11:PsycINFO(R) 1887-2006/Apr W2  
      (c) 2006 Amer. Psychological Assn.  
 File 13:BAMP 2006/Apr W2  
      (c) 2006 The Gale Group  
 File 14:Mechanical and Transport Engineer Abstract 1966-2006/Apr  
      (c) 2006 CSA.  
 File 15:ABI/Inform(R) 1971-2006/Apr 20  
      (c) 2006 ProQuest Info&Learning  
 File 16:Gale Group PROMT(R) 1990-2006/Apr 20  
      (c) 2006 The Gale Group  
 File 18:Gale Group F&S Index(R) 1988-2006/Apr 19  
      (c) 2006 The Gale Group  
 File 19:Chem.Industry Notes 1974-2006/ISS 200615  
      (c) 2006 Amer.Chem.Soc.  
 File 20:Dialog Global Reporter 1997-2006/Apr 20  
      (c) 2006 Dialog  
 File 21:NCJRS 1972-2006/Mar  
      (c) format only 2006 Dialog  
 File 22:Employee Benefits 1986-2006/Apr  
      (c) 2006 Int.Fdn.of Empl.Ben.Plans  
 File 24:CSA Life Sciences Abstracts 1966-2006/Mar  
      (c) 2006 CSA.  
 File 25:Weldasearch 1966-2006/Mar  
      (c) 2006 TWI Ltd  
 File 27:Foundation Grants Index 1990-2006/Apr  
      (c) 2006 Foundation Center  
 File 28:Oceanic Abstracts 1966-2006/Mar  
      (c) 2006 CSA.  
 File 30:AsiaPacific 1985-2006/Feb 09  
      (c) 2006 Aristarchus Knowledge Indus.  
 File 31:World Surface Coatings Abs 1976-2006/Apr  
      (c) 2006 PRA Coat. Tech. Cen.  
 File 33:Aluminium Industry Abstracts 1966-2006/Apr  
      (c) 2006 CSA.  
 File 34:SciSearch(R) Cited Ref Sci 1990-2006/Apr W2  
      (c) 2006 Inst for Sci Info  
 File 35:Dissertation Abs Online 1861-2006/Mar  
      (c) 2006 ProQuest Info&Learning  
 File 36:MetalBase 1965-20060418  
      (c) 2006 The Dialog Corporation  
 File 38:America:History & Life 1963-2005/Q3  
      (c) 2005 ABC CLIO Inc.  
 File 39:Historical Abstracts 1973-2005  
      (c) 2005 ABC-CLIO  
 File 40:Enviroline(R) 1975-2006/Feb

File 41:Pollution Abstracts 1966-2006/Mar  
(c) 2006 CSA.

File 42:Pharmaceuticl News Idx 1974-2006/Apr W1  
(c)2006 ProQuest Info&Learning

File 46:Corrosion Abstracts 1966-2006/Apr  
(c) 2006 CSA.

File 47:Gale Group Magazine DB(TM) 1959-2006/Apr 20  
(c) 2006 The Gale group

File 49:PAIS Int. 1976-2006/Apr  
(c) 2006 Cambridge Scientific Abstracts Inc.

File 50:CAB Abstracts 1972-2006/Mar  
(c) 2006 CAB International

File 51:Food Sci.&Tech.Abs 1969-2006/Apr W3  
(c) 2006 FSTA IFIS Publishing

File 53:FOODLINE(R): Science 1972-2006/Apr 18  
(c) 2006 LFRA

File 54:FOODLINE(R): Market 1979-2006/Apr 20  
(c) 2006 LFRA

File 56:Computer and Information Systems Abstracts 1966-2006/Apr  
(c) 2006 CSA.

File 57:Electronics & Communications Abstracts 1966-2006/Apr  
(c) 2006 CSA.

File 58:GeoArchive 1974-2006/Apr  
(c) 2006 Geosystems

File 60:ANTE: Abstracts in New Tech & Engineer 1966-2006/Apr  
(c) 2006 CSA.

File 61:Civil Engineering Abstracts. 1966-2006/Apr  
(c) 2006 CSA.

File 62:SPIN(R) 1975-2006/Mar W1  
(c) 2006 American Institute of Physics

File 63:Transport Res(TRIS) 1970-2006/Mar  
(c) fmt only 2006 Dialog

File 64:Environmental Engineering Abstracts 1966-2006/Apr  
(c) 2006 CSA.

File 65:Inside Conferences 1993-2006/Apr 20  
(c) 2006 BLDSC all rts. reserv.

File 66:GPO Mon. Cat. 1978-2006/Apr  
(c) format only 2006 Dialog

File 67:World Textiles 1968-2006/May  
(c) 2006 Elsevier Science Ltd.

File 68:Solid State & Superconductivity Abstracts 1966-2006/Apr  
(c) 2006 CSA.

File 71:ELSEVIER BIOBASE 1994-2006/Apr W3  
(c) 2006 Elsevier Science B.V.

File 73:EMBASE 1974-2006/Apr 20  
(c) 2006 Elsevier Science B.V.

File 74:Int.Pharm.Abs 1970-2006/Mar B2  
(c) 2006 The Thomson Corporation

File 75:TGG Management Contents(R) 86-2006/Apr W2  
(c) 2006 The Gale Group

File 79:Foods Adlibra(TM) 1974-2002/Apr  
(c) 2002 General Mills

File 80:TGG Aerospace/Def.Mkts(R) 1982-2006/Apr 19  
(c) 2006 The Gale Group

File 81:MIRA - Motor Industry Research 2001-2006/Feb  
(c) 2006 MIRA Ltd.

File 87:TULSA (Petroleum Abs) 1965-2006/Apr W3  
(c)2006 The University of Tulsa

Set	Items	Description
S1	231521	(FUEL OR GAS OR GASOLINE OR PETROL?) (2N) (DISPENS? OR PUMP?)

```

      ? OR STATION? ?)
S2    2968525    VIDEO OR VIDEOS
S3    10153797    AD OR ADS OR ADVERTISEMENT? OR PROMOTIONAL OR INFOMERCIAL?
      OR COMMERCIAL? ?
S4      180    BILLBOARD()VIDEO?
S5    785646    (CONTROL? OR TRIGGER? OR MANIPULATE? OR INCREAS? OR DECREA-
      S? OR MODULAT? OR ADJUST?) (3N) (SPEED? OR FLOW???)
S6      17    INTEGRATED()MEDIA()DISPLAY?
S7    106465    (CONTROL? OR TRIGGER? OR MANIPULATE? OR INCREAS? OR DECREA-
      S? OR MODULAT? OR ADJUST?) (3N) (VALVE? ? OR PUMP? ?)
S8    45326    S1 AND (S2 OR S3 OR S6)
S9    1528    S8 AND (S5 OR S7)
S10   278    S9 NOT (COMMERCIAL? OR AD()HOC OR CONVERT?)
S11   123    S10 NOT PY>2000
S12   105    RD (unique items)
S13    77    S12 NOT (TANKER? OR CRUDE OR JEWEL? OR GAME? ?)
S14    47    S13 NOT (OLD OR AD OR ADS)

```

14/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04526644 INSPEC Abstract Number: C90008711

**Title: Process oriented programming: simulation of a self-service petrol station with Occam. 2**

Author(s): Baumann, R.

Journal: Der Elektroniker no.7 p.47-54

Publication Date: July 1989 Country of Publication: Switzerland

CODEN: ELKRBL ISSN: 0374-3020

Language: German

Subfile: C

**Title: Process oriented programming: simulation of a self-service petrol station with Occam. 2**

...Abstract: his explanation of Occam programming for the transputer and shows in detail how a computer- controlled pump station can be simulated. The general build-up of the station, the functions, and the...

... of the folded program, simulation input and output, consoles, sensors, point-of-sale, output and video display are shown as program sections.

...Identifiers: self-service petrol station ; ...

...computer- controlled pump station

14/3,K/2 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

(c) 2006 The Gale Group. All rts. reserv.

01540362 Supplier Number: 24240296

**Albertson's has installed**

**(Albertson's installing Dresser Industries' Touch-N-Go gasoline pump controls at 25 stores in 1998; uses touch screen that could also be used to carry advertising, news, etc)**

DSN Supercenter & Club Business, v 6, n 8, p 5

April 27, 1998

DOCUMENT TYPE: Newsletter; News Brief (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 80

**(Albertson's installing Dresser Industries' Touch-N-Go gasoline pump controls at 25 stores in 1998; uses touch screen that could also be used to carry...**

)

TEXT:

Albertson's has installed the Touch-N-Go based fuel dispenser system from the Wayne division of Dresser Industries in five stores. Twenty more are being...

...are planned for 1998. Touch-N-Go is an interactive touch screen user interface for gas pumps that allows users to select fuel type and payment method by touching the screen. Touch-N-Go also offers customers coupons and can display general user information or advertising videos , together with optional news, weather, and sports.

...

...PRODUCT NAMES: Gasoline stations (554023)

Sylvia Keys

20-Apr-06 01:14 PM

14/3,K/3 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

01516972 Supplier Number: 24186607 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Smart Cards Swoop into Singapore: Part 1 of 2**  
(In spite of economic woes in Singapore and recent weakness in the  
Singapore dollar, the forecast appears far from gloom and doom when it  
comes to smart card prospects in the region)  
Card Technology, p 34-48  
March 1998  
DOCUMENT TYPE: Journal ISSN: 1093-1279 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1924

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...dispensers. The CashCard can be used at department stores, fast-food  
restaurants, supermarkets, post offices, **gas stations**, parking  
facilities and pay phones at railway stations. Value can be loaded on to  
the...

...than 1,000 NETS's bank ATMs and CashCard service terminals.  
Despite a high-profile **promotional** effort, however, concerns over  
security and reliability, the fear of losing money due to technical...

...coming into its control center, the transport agency will be better able  
to monitor traffic **flows**. The **increased** data gathering capabilities  
will result in improved analysis and forecasts, which in turn should result  
...

...purse can be used to make purchases at bookshops, fast-food outlets,  
department stores and **gas stations**. NUS's applications use smart card  
access technology from three local vendors--Singapore Computer Systems...

...000 POS

Purse

terminals at  
merchant sites  
including  
department stores,  
supermarkets,  
fast-food  
restaurant and **gas**  
**stations**.

Electronic Road Pricing  
Electronic Roadway Toll April, 1998  
System

In-vehicle units  
being installed on...

14/3,K/4 (Item 3 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

01447506 Supplier Number: 24120222 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Mobil's Speedpass Gas Payment Card Adds Millionth Customer**  
(Mobil is using miniature electronic "Speedpass" at gas stations to  
allow customers to automatically charge fuel purchases to a credit card)

Newsbytes News Network, p N/A  
December 22, 1997  
DOCUMENT TYPE: Journal (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1603

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
(Mobil is using miniature electronic "Speedpass" at gas stations to  
allow customers to automatically charge fuel purchases to a credit card)

ABSTRACT:

Mobil Corp. is using miniature electronic "Speedpass" at gas stations  
to allow customers to automatically charge fuel purchases to a credit card.  
"With Speedpass, we...

...when to begin refueling. When a customer uses the key tag at a  
designated Speedpass station, the gasoline pump sends out a radio  
signal which powers the key tag, allowing it to send back...

TEXT:

...By Bill Pietrucha, Newsbytes. Credit cards are becoming as scarce as  
cash at Mobil Corp. gas stations, with more than a million customers  
now just waving at the pump and filling up. The motorists aren't just being  
friendly, though, and the gas pumps aren't just reciprocating the  
gesture. Instead, they're waving a miniature electronic "Speedpass" in  
front of gasoline pumps, which automatically charge the fuel purchases  
to a driver's credit card.

...  
...when to begin refueling. When a customer uses the key tag at a  
designated Speedpass station, the gasoline pump sends out a radio  
signal which powers the key tag, allowing it to send back...

...for Mobil, Joe Giordano, Mobil's acting pricing and technology manager,  
said. According to Giordano, Speedpass usage patterns indicate increased  
purchases per customer.

Mobil has extended the program to include a Speedpass car tag transponder  
...

...of any compact disk format, including audio CDs, IBM PC and  
Macintosh-compatible CD-ROMs, Video CDs, and CD-I (compact disk  
interactive).

The price of CD-R drives are also...

PRODUCT NAMES: Gasoline stations (554023...

14/3,K/5 (Item 4 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

01357816 Supplier Number: 24006352 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Oil companies jumping to pay-at-the-pump technology  
(Convenience of RF/ID technology is expected to increase customer loyalty)  
Automatic I.D. News, v 13, n 10, p 14  
September 1997  
DOCUMENT TYPE: Journal ISSN: 0890-9768 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 531

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:

Shell Oil along with **gasoline pump** manufacturers Gilbarco and Tokheim has begun testing of RF/ID-enabled pay-at-the-pump...

...station pump.

The article notes that the introduction of credit-card based pay at the **pump** terminals **increased** in-store sales as well and Kim Resch, Maritz Performance Improvement, claims that the programs...

TEXT:

...May and claims the program will attain a million users nationwide. Shell Oil, plus leading **gasoline pump dispenser** manufacturers Gilbarco and Tokheim, have begun their own pilot programs featuring radio frequency identification (RF...

...a credit card transaction is programmed on the chip. Users pull up to an unattended **gas pump**, wave their keychain at a reader mounted on the pump, and begin fueling. The reader...

...it like any other credit card transaction.

Shell's system was developed with Gilbarco, the **fuel pump** maker, and Micron Communications, which provided the RF/ID technology. Gilbarco employees conducted a beta...

...the fall.

Much further down the road, Shell may expand its system to offer online **video** shopping from monitors at the pumps. Consumers could also use the screens to access personalized...

...same effect.

photo omitted

One of the main goals in all the pay-at-the- **pump** programs is to **increase** customer loyalty. In low-margin, high-volume businesses like gasoline and other retail sales, retaining...

...PRODUCT NAMES: **Gasoline stations** (554023)

14/3,K/6 (Item 1 from file: 13)

DIALOG(R)File 13:BAMP

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00715584 Supplier Number: 25849797 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Are Relationships Improving Yet?**

(In a survey of how well customer relationship management initiatives are succeeding, the authors find that direct mail or online catalog retailers of music, **video** and books continue to lead, with some improvement by groceries and pharmacy; utilities have made CRM a priority)

Article Author(s): Nykamp, Melinda; McEachern, Carla

DM Review, v 10, n 10, p 68,87

October 2000



DOCUMENT TYPE: Journal; Survey ISSN: 1521-2912 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 889

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
...(initiatives are succeeding, the authors find that direct mail or online catalog retailers of music, **video** and books continue to lead, with some improvement by groceries and pharmacy; utilities have made...  
)

TEXT:  
Retail and Catalog

In retail and catalog, the direct mail or online-based music, **video** and bookstores continue to lead the pack. These stores and catalogs continue to demonstrate the...

...benefit, regardless of whether they are frequent or only occasional shoppers.

Many of the major **video** stores and fashion retailers, however, have begun loyalty programs that facilitate data collection and offer...

...customers and differentiate or personalize service for high-value customers.

Even with "pay at the **pump**," allowing for **increased** data collection at **gas stations**, there is still very little going on for this group.

Utilities  
CRM initiatives are top...

...	1999	2000	Score	Score
Retail and Catalog:				
Direct Mail-Based Music,			3.5	3.5
<b>Video</b> and Book				
Online Book and Music			3.5	3.5
Pharmacies			2	2
Grocery			1.5	1.5
Fashion Retailers			1.5	2
<b>Video</b> Stores			1.5	2
Dry Cleaners			1	1
Service Stations			1	1
Utilities:				
Phone Companies...				

14/3,K/7 (Item 2 from file: 13)  
DIALOG(R)File 13:BAMP  
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00590279 Supplier Number: 24367824 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**VSATs: Continuing Improvements for a Workhorse Technology**  
(VSAT, which is expected to see 25% growth in 1998, can be a favorable alternative to ISDN and frame relay as it offers the ability to work with a single provider at a cost efficient price)  
Article Author(s): Picasso, Gino  
Telecommunications Americas Edition Telecommunications, v 32, n 9, p 56,57  
September 1998

DOCUMENT TYPE: Journal ISSN: 0278-4831 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1532

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:

...applications such as the corporate intranet, database management, in-store audio, and store-and-forward **video**. Notably, VSATs are also useful for Internet-based applications, especially IP multicast, since its capacity...

TEXT:

...terminal (VSAT) satellite networks their platform of choice for a wide range of interactive data, **video**, and audio communications. There are now more than 250,000 VSAT sites worldwide, and growth...

...of companies deploying mostly transaction-based applications. The majority of traditional VSAT users such as **gas stations**, convenience stores, and banks chose the technology primarily to manage transaction-based applications such as...

...kbps to 76.8 kbps are more than sufficient. Shell Oil with its 5000-site **gas station** /convenience store chain is a good example of a traditional VSAT user. Shell uses its...

...applications such as the corporate intranet, database management, in-store audio, and store-and-forward **video**, as well as the distribution of enterprise system software. The increasing bandwidth requirements of these...

...even larger multimedia files--huge, 100-Megabyte blocks of content containing graphics, sound, and compressed **video**. I predict that in the next two years we also will see a dramatic increase...

...18 inches. With the smaller antennas, two-man installation crews no longer are required, further **increasing** the **speed** and reducing the cost at which a network can be installed or expanded. This fast...

**14/3,K/8 (Item 3 from file: 13)**

DIALOG(R)File 13:BAMP

(c) 2006 The Gale Group. All rts. reserv.

00573269 Supplier Number: 24160341 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Framing the Issue**

(To better manage increasing volumes of information, a growing number of retailers are switching from satellite to frame-relay systems)

Article Author(s): Nannery, Matt

Chain Store Age Executive with Shopping Center Age, v 74, n 2, p 39-41  
February 1998

DOCUMENT TYPE: Journal ISSN: 0193-1199 (United States)

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2003

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Beaverton, Ore.-based Hollywood Entertainment, agrees. Hanicek, however, is installing satellite dishes in 900 Hollywood **Video** outlets because that chain has no plans to send large files back and forth between...

...30 seconds for a credit-card authorization to clear. When you're standing at a **gas pump** in Minnesota in February, that 30 seconds seems to never end. With satellite, they can...

...she says. "With dial-up, we have unacceptably long lines at the registers. Like the **gas pumps**, this is a convenience issue, and we are all about speed. Convenience stores naturally want...

...the day over the satellite network. And we're already using the satellite network for **video** feeds to our stores.

"We were early adopters of both technologies--had them both in...

...FOOTPRINT RETAILERS WHO TRANSMIT DATA IN SHORT BURSTS ARE CHOOSING SATELLITE OVER FRAME-RELAY. HOLLYWOOD **VIDEO** IS A CASE IN POINT.

The growing popularity of frame relay has not signaled the...

...at Hollywood Entertainment, Beaverton, Ore. "But look around, you don't see any c-stores, **gas stations** or fast-food stores putting in frame."

Hollywood Entertainment is putting satellite dishes in 900 Hollywood **Video** stores nationwide. Hanicek says his decision to move from a very slow dial-up network...

...customer-service improvement over Hollywood's previous dial-up system. "Recent satellite technology improvements have **increased** the **speeds**," Hanicek says. "We are getting credit-card authorizations in between three and six seconds. Transmissions...

...checkout for us," Hanicek says. "And we believe that will make us more competitive. The **video** -rental business is extremely convenience-oriented." ...

14/3,K/9 (Item 4 from file: 13)  
DIALOG(R)File 13:BAMP  
(c) 2006 The Gale Group. All rts. reserv.

00573248 Supplier Number: 24186607 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Smart Cards Swoop into Singapore: Part 1 of 2**  
(The NETS CashCard, Singapore's national electronic purse program, is at the forefront of the country's many smart card initiatives)  
Article Author(s): Burger, Andrew  
Card Technology, p 34-48  
March 1998  
DOCUMENT TYPE: Journal ISSN: 1093-1279 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1924

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:

...member bank branches, can be utilized at department stores, fast-food restaurants, supermarkets, post offices, **gas stations** and parking facilities. In 1998, many new CashCard-related projects and applications have been launched...

TEXT:

...dispensers. The CashCard can be used at department stores, fast-food

restaurants, supermarkets, post offices, **gas stations**, parking facilities and pay phones at railway stations. Value can be loaded on to the...

...than 1,000 NETS's bank ATMs and CashCard service terminals.

Despite a high-profile **promotional** effort, however, concerns over security and reliability, the fear of losing money due to technical...

...coming into its control center, the transport agency will be better able to monitor traffic **flows**. The **increased** data gathering capabilities will result in improved analysis and forecasts, which in turn should result ...

...purse can be used to make purchases at bookshops, fast-food outlets, department stores and **gas stations**. NUS's applications use smart card access technology from three local vendors--Singapore Computer Systems...

...000 POS

Purse

terminals at  
merchant sites  
including  
department stores,  
supermarkets,  
fast-food  
restaurant and **gas  
stations**.

Electronic Road Pricing

Electronic Roadway Toll System April, 1998

In-vehicle units  
being installed on...

14/3,K/10 (Item 5 from file: 13)

DIALOG(R)File 13:BAMP

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00539035 Supplier Number: 23817504 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Machine Vision Makes Its Mark on the Automotive Industry**

(Although machine vision isn't new, these systems have become more powerful and easier to use)

Article Author(s): Kress, Stephen

Automotive Manufacturing & Production, v 109, n 3, p 50-55

March 1997

DOCUMENT TYPE: Journal; Guideline ISSN: 1086-9298 (United States)

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1972

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...sensor detects the presence of a part and signals the vision system to activate a **video** camera, positioned above or to the side of the inspection point, to capture an image...

...before assembly

\* Gaging the gaps on spark plugs

\* Verifying the presence of critical stoppers on **fuel** injection **pumps**.

Electronic **controls**. Machine vision can have a dramatic impact on both

Sylvia Keys

20-Apr-06 01:14 PM

production and quality control for automotive...

14/3,K/11 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02295079 86926743  
**Effects of facilities on Hong Kong supermarkets**  
Baldwin, Graeme  
Facilities v17n1/2 PP: 54 Jan/Feb 1999  
ISSN: 0263-2772 JRNL CODE: FAC  
WORD COUNT: 3410

...TEXT: power from the visibility factor used in their study. However, since the retail subject was **petrol** filling **stations**, this can be explained, as the product attracts little brand loyalty and relies heavily on...in their model, said: "Because the product assortment was similar for each store, and their **promotional** budgets, copy, and media were also consistent and basically the same, these factors were not...is better provided for it has the capacity to open more counters as the customer **flow increases**. This in turn would have a positive effect on patrons' expectations for the store and...

14/3,K/12 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02092158 64372623  
**Increasing optimism in the industry**  
Anonymous  
NPN, National Petroleum News v92n12 PP: 20-21 Nov 2000  
ISSN: 0149-5267 JRNL CODE: NPN  
WORD COUNT: 2230

...TEXT: store or dealing with bottles.

With the Additech system, the additive is metered through the **dispenser** with the **fuel** purchase and automatically added to the purchase. Company tests show an approximate 10-percent usage...

...has developed an Internet-- capable CCTV system that allows the site owner/manager to access **video** and audio cameras throughout the site via the Internet. This decreases the likelihood of employee...

...the camera, answers a question from the audience at the NPNi Global Equipment Conference.

Additech **dispenser fuel** additive system.  
EBW, Muskegon, Mich., displayed a variety of new products at the show. On ...

...extend its digital interactive network across the retail petroleum marketplace, which includes convenience stores, kiosks, **fuel dispensers** and automated teller machines. Marconi retailers will be able to leverage their investment in already...locked rotor or high current; warns site personnel of conditions impacting the ability to fuel; **increases flow** providing demand-based staging of several motors; spreads motor wear evenly in tandem or multiple...

...and Electronic Journal. Management Solutions provides multilingual year-round, 24-hour customer support.

Enviro's new **gasoline dispenser** .

Marconi's Eclipse with functional Internet interface.

Tanknology's Site Communicator

OPW's membrane vapor...

**14/3,K/13 (Item 3 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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01914027 05-65019

**Waldoch Crafts conversion van--like driving your living room**

Rubenking, Randall

Machine Design v71n20 PP: 146-147 Oct 21, 1999

ISSN: 0024-9114 JRNL CODE: MDS

WORD COUNT: 952

...TEXT: the spacious interior caused much glee among the neighborhood children. During a drive to the **gas station** , my youngest daughter and her friends proved that, though the reception was not great, the television worked fine with the **video** player. The **video** equipment had a thorough workout going through the collection of movies we took on the...

...wake-up" grooves in the road coming up to toll plazas. The stereo has a "**speed** -volume-compensation" **control** that adjusts for wind noise at highway speeds. It almost does the job.

Flexsteel bucket...

**14/3,K/14 (Item 4 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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01736747 03-87737

**Russia on the block**

Mellow, Craig

Institutional Investor v32n11 PP: 156-162 Nov 1998

ISSN: 0020-3580 JRNL CODE: IL

WORD COUNT: 2640

...TEXT: years you'll see 60 to 70 percent of the Russian banking system under foreign **control** ," he predicts, **speeding** off in the rain to one more meeting.

More devastated than Russian banking (if such...

...Muscovites' fear of cloudy tap water. Another is Soyuz, a Tower Records-style music and **video** retailer that also owns a recording studio. Like Partiya, both companies want to use the...

...operations. British Petroleum Co. remains gung-ho to expand Russian retail operations beyond the ten **gas stations** it already has around

Moscow, says Struan Robertson, BP's chief executive for Central and...  
...short term."

In any case, Russia does not fascinate investors for its potential to watch  
**videos** or drink clean water. The country's big opportunity lies, as it  
has for decades...

14/3,K/15 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01579697 02-30686  
**A vibrant niche for satellite**  
Anonymous  
Chain Store Age v74n2 PP: 40-41 Feb 1998  
ISSN: 1087-0601 JRNL CODE: CSA  
WORD COUNT: 527

...ABSTRACT: among small-footprint retailers. For example, Hollywood  
Entertainment is putting satellite dishes in 900 Hollywood **Video** stores  
nationwide. John Hanicek, senior vice president of information systems and  
logistics, says his decision...  
...TEXT: FOOTPRINT RETAILERS WHO TRANSMIT DATA IN SHORT BURSTS ARE CHOOSING  
SATELLITE OVER FRAME-RELAY. HOLLYWOOD **VIDEO** IS A CASE IN POINT.

The growing popularity of frame relay has not signaled the...

...logistics at Hollywood Entertainment, Beaverton, Ore. "But look around,  
you don't see any cstores, **gas stations** or fast-food stores putting in  
frame."

Hollywood Entertainment is putting satellite dishes in 900 Hollywood **Video**  
stores nationwide. Hanicek says his decision to move from a very slow  
dial-up network...

...customer-service improvement over Hollywood's previous dial-up system.

"Recent satellite technology improvements have **increased** the **speeds** ,"  
Hanicek says. "We are getting credit-card authorizations in between three  
and six seconds. Transmissions...

...checkout for us," Hanicek says. "And we believe that will make us more  
competitive. The **video** -rental business is extremely  
convenience-oriented."

14/3,K/16 (Item 6 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01387232 00-38219  
**Dual branding and dueling technologies**  
Grimes, Rob  
Nation's Restaurant News v31n9 PP: 42 Mar 3, 1997  
ISSN: 0028-0518 JRNL CODE: NRN  
WORD COUNT: 690

...TEXT: partners.

Today, quick-service and full-service restaurant and snack concepts are showing up in **gas stations**, convenience stores, supermarkets and retail operations of all types, airports, stadiums and other nontraditional locations...

...Let's take a look at some of the challenges that cobranding has created, using **gas stations** as an example.

The main function of that business is to **pump gas**; therefore, all its systems originally were designed to control that function. As **gas stations** and corner markets melded into hybrid businesses known as convenience stores, many of the traditional POS terminals used for **controlling gas pumps** and handling the customers settlement were enhanced to ring up additional retail items.

Before the...

...tracked, called "SKU's" or "Stock Keeping Units," that approach was not feasible.

In the **gas - station** /c-store environment, we then saw some units utilizing multiple-information systems - one for retail...

...production forecasting, labor scheduling and time-and-attendance. When we look at such interfaces as **gas pumps**, kitchen printers, **video**, printers for reports, guest checks and receipts, we can clearly see industry-specific differences.

A...

14/3,K/17 (Item 7 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01135579 97-84973

**Restaurant renaissance**

Cetron, Marvin J; DeMicco, Fred J; Williams, John A  
Futurist v30n1 PP: 8-12 Jan/Feb 1996  
ISSN: 0016-3317 JRNL CODE: FUS  
WORD COUNT: 2070

...TEXT: groceries to cook at home.

\* Dual-income households with or without children are finding an **increasing** need for **speedy** and convenient meals.

\* Americans are spending more food dollars in food service than on meals...

...telecommunications. For example, a master baker will monitor and instruct workers in a bakery through **video** - and audio-conferencing technologies. Restaurants will be able to remotely consult seasoned "Superstar Servers" to...

...home furnishings/food service

\* Restaurant products will be increasingly sold in grocery stores, convenience stores, **gas stations**, airplanes, and retail outlets. Examples: Philip's Crabhouse tartar sauce, Wolfgang Puck's pizzas, and...

...place a premium on convenient shopping attractions: e.g., Tiger Mart



convenience stores at Exxon **gas stations** .

-- With a trend toward fewer and larger convenience stores, consumers will confront new forms of...

...terms of location and store size.

-- Convenience stores will get more competition as grocery stores, **gas stations** , and other food-service providers adopt convenience-store operating characteristics, such as 24-hour operation...

14/3,K/18 (Item 8 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00901326 95-50718

**Automation in a customer contact environment**

Walley, Paul; Amin, Viresh

International Journal of Operations & Production Management v14n5 PP:  
86-100 1994

ISSN: 0144-3577 JRNL CODE: IJO

WORD COUNT: 6511

...TEXT: lower service-level substitute.

Automation may also offer other marketing and customer service benefits by **increasing** the **speed** of the service delivery process. The use of information technology has enabled customers to enquire...1) medical technology, especially renal dialysis;

(2) vending machines;

(3) automated telling machines (ATMs);

(4) **petrol pumps** .

The technologies were selected because each had a higher degree of customer involvement in the...

...were also interviewed. In view of the existing evidence about the use of ATMs and **petrol pumps** [5], more time was spent on the two former examples.

The interviews were used to...in the types of products dispensed. There are a few US and Canadian examples of **video** -cassettes and compact discs being dispensed by vending machine. Japan offers examples of the wide...

...The stock value inside the machines was a surprising but important constraint. A fully stocked **video** -vending machine may contain up to \$18,000-worth of stock[22]. This may restrict...product offer other operational difficulties. The distribution of these machines is intended to be at **petrol stations** , which offer accessibility, and the quantities of the product dispensed are small and premium-priced...

...with customers[26], because the customer does not trust the machines to record deposits accurately.

**PETROL PUMPS**

Self-service **petrol stations** offer an example of a highly simplified automated service. The technology of the equipment, as...use[5,13].

Discussions with the two petrol retailers revealed that further development of the **petrol pumps** to make payment automated using a card was technically feasible. One unconfirmed account suggested that...

...success. It became obvious that the most significant constraints against the use of fully automated **petrol pumps** are the existing marketing objectives of the retailers. Most petrol retailers in the UK have...

...selection appeared to be whether the existing design would fit into the layout of the **petrol station**. Both companies thought that the selection of the equipment was chiefly an engineering task.

The...

14/3,K/19 (Item 9 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00626020 92-41122  
**Credit Transactions**  
Robins, Gary  
Stores v74n7 PP: 57-60 Jul 1992  
ISSN: 0039-1867 JRNL CODE: STR  
WORD COUNT: 2300

...TEXT: evidenced in May when Bellcore published a special protocol called T3POS that was designed to **increase** the **speed** of transactions originating at POS and carried over a public packet network.

The new protocol...

...Integrated Network Corp. (INC, Bridgewater, N.J.), the manufacturer of the multiplexer system.

Six Citgo **gas stations** participated in the trial. The service, called FAST-CONNECT by BellSouth, successfully reduced authorization time...with ISDN. "With ISDN," he relates, "they can combine two B channels and send compressed **video** out to the stores, so they can update **video** kiosks." WIRELESS SOLUTIONS: The idea is a good one: set up antennas in major metropolitan...

14/3,K/20 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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09190402 Supplier Number: 66189537 (USE FORMAT 7 FOR FULLTEXT)  
**ExxonMobil Retail Segment Growing. (Brief Article)**  
Francella, Barbara Grondin  
Convenience Store News, v36, n12, p12  
Sept 25, 2000  
Language: English Record Type: Fulltext  
Article Type: Brief Article  
Document Type: Magazine/Journal; Trade  
Word Count: 600

... last few weeks the company made several moves designed to expand its market share by **increasing speed** and convenience at the retail level.

Last month, ExxonMobil announced it would launch a state...  
...reported it would expand the Mobil Speedpass payment system, now a popular option at the **gas pump**, to include in-store transactions and purchases made at Exxon-branded sites.  
By the end...  
...with Speedpass technology.  
"This is our first expansion of Speedpass technology for purchases beyond the **fuel pumps**," said Jim Carter, regional director for Exxon-Mobil's Fuels Marketing Co. "Its introduction provides...  
...on the checkout counter next to the cash registers. As they do outside at the **gas pump**, customers will simply wave a Speedpass key tag over the "Place Speedpass Here" graphic on...  
...expansion of the Speedpass to Exxon stations will be supported by the same kinds of **promotional** tools used to educate Mobil customers on the use and benefits of the technology, Kerr...

14/3,K/21 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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08062424 Supplier Number: 67000639 (USE FORMAT 7 FOR FULLTEXT)  
**AVS Product Preview.**  
Semiconductor International, v23, n11, p98  
Sept 15, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2920

... deposition at high rates. It includes one or more measuring heads, a fiber optic cable, **control valve** and **control** board. By monitoring one of the metal emission lines, its intensity is used as a measure for the instantaneous deposition rate, as a function of which the reactive gas **flow** is precisely **controlled**. Surface Solutions Inc./VON ARDENNE, Enfield, Conn. Booth 2715 \* For FREE data circle 211, or...

...sources, electron beam guns or magnetron sputtering. Its dual cryopumps allow continuous operation and turbodrag **pumps** allow high **gas** flows for reactive gases. Features include closed-loop optical/quartz crystal monitoring, software-based control...the oxygen background is at an acceptable level. Features include a zirconium oxide sensor, electrical **flow control** and detection range of ppm to 100% oxygen. AMETEK Process Instruments, Pittsburgh. Booth 2112, 2114...

...Energy analysis is possible on a full image or on a small size spot at **video** speed. Staib Instrument Inc., Newport, Va. Booth 1925 \* For FREE data circle 239, or visit...

14/3,K/22 (Item 3 from file: 16)  
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07983303 Supplier Number: 61995660 (USE FORMAT 7 FOR FULLTEXT)  
**What's New In Gas Distribution/Transmission, Plus Lubricants & Chemicals.**  
Pipeline & Gas Journal, v227, n4, p56

April, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1471

... by Dow Chemical are formulated to protect large, stationary diesel engines--including engines used in **gas** transmission compressor **station** service--against overheating, winter freeze ups and corrosion. Information is offered on the company's...

...that illustrates how TransWave technology identifies pipe-destroying problems and graphically displays it on a **video** monitor in simple and visual form.

Circle #228

Smallwood Systems Inc.

New from Smallwood Systems...

...provides specifications, conversions, performance curves and more. It also contains product information on equipment for **flow control**, distribution, purification, filtration and pressure control.

Circle #235

Caterpillar Inc.

There are many ways to...

**14/3,K/23 (Item 4 from file: 16)**

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07970888 Supplier Number: 66576159 (USE FORMAT 7 FOR FULLTEXT)

**J.D. Power and Associates Reports: Auto Navigation Systems Gaining**

**Popularity, According to 2000 Navigation Usage and Satisfaction Study.**

Business Wire, pl267

Oct 30, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1337

... the "points of interest" feature on their navigation systems primarily to locate restaurants, airports, hotels, **gas stations**, entertainment shopping venues, banks and automated teller machines. The study also indicates that there is...

...DVD-based navigation systems offer greater geographical coverage, more detailed 'points of interest' information and **increases** the **speed** to calculate a route," Forkin said. "The quality of navigation systems is generally quite high...

...jdpa.com.

This news release is provided for editorial use only. No advertising or other **promotional** use can be made of the information in this release or J.D. Power and Study(SM) as the source. No advertising or other

**promotional**

use can be made of the information in this release or J.D.

Power and...

...Associates 2000 Navigation Usage and

Satisfaction Study(SM) as the source. No advertising or other

**promotional**

use can be made of the information in this release or J.D.

Power and...

...Associates 2000 Navigation Usage and  
Satisfaction Study(SM) as the source. No advertising or other  
**promotional**  
use can be made of the information in this release or J.D.  
Power and...

**14/3,K/24 (Item 5 from file: 16)**  
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07869902 Supplier Number: 65724881 (USE FORMAT 7 FOR FULLTEXT)  
**Enterasys Networks Powers Military and Civilian Network Infrastructure At  
Marine Corps' Camp Lejeune.**  
Business Wire, p2235  
Oct 4, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1029

... community services level, many base services also run over the  
network including the food chains, **gas stations**, recreational  
facilities, retail stores, marina and beach facilities, as well as the base  
airport.

These...

...of hardware, such as a switch, or the amount of bandwidth," said Toth.  
"Through application **flow control** and bandwidth provisioning, provided  
by Enterasys' SmartSwitch Routers, we are reversing the process and  
managing...

...Networks' award-winning holistic networking infrastructure solutions. By  
optimizing customer solutions to support converged voice, **video** and data,  
Enterasys Networks creates solid foundations for the seamless deployment of  
emerging business-critical...

**14/3,K/25 (Item 6 from file: 16)**  
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06580257 Supplier Number: 55521903 (USE FORMAT 7 FOR FULLTEXT)  
**THE DIRECT APPROACH TO THE BOTTOM LINE.**  
WELLMAN, DAVID  
Supermarket Business, v54, n8, p15  
August, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 3459

... manager. "Lance is best known for its up and down the street  
business: convenience stores, **gas stations**, etc. Only 20 percent of our  
portfolio is grocery. I think we can certainly double...on these  
items--toilet paper, for instance--simply cause consumers to forward buy.  
Thus, any **promotional** lift in volume generated by featuring a pantry load  
staple tends to be offset, in...

...with Frito-Lay, Boston Consulting discovered that promotions in

consumption-elastic categories drive not just **promotional** period volume but also baseline volume. In other words, each time a promotion ends in...

...categories is offset by increased activity costs, increased volume in DSD categories leads directly to **increased** cash **flow**. Take, for example, the effect of Dean Foods' expansion of the milk category with the ...

14/3,K/26 (Item 7 from file: 16)  
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06350606 Supplier Number: 54670570 (USE FORMAT 7 FOR FULLTEXT)  
**Jitney-Jungle Stores of America, Inc. Releases First Quarter Results.**  
PR Newswire, p3425  
May 19, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 587

Operating Cash **Flow** **Increases** 24.6%  
JACKSON, Miss., May 19 /PRNewswire/ -- Jitney-Jungle Stores of America, Inc. today announced its results for the first quarter ended March 27, 1999. The Company's operating cash **flow** **increased** \$4.2 million, or 24.6%, to \$21.4 million on sales of \$460 million...

...opened 40 new stores in our markets and became more aggressive in their pricing and **promotional** programs. However, we were able to hold our own on the top line, thanks to...

...and 15 discount stores for a total of 197 supermarkets, 10 liquor stores and 55 **gasoline** **stations** located throughout Mississippi, Alabama and Louisiana and in Tennessee, Florida and Arkansas.

14/3,K/27 (Item 8 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06263188 Supplier Number: 54341900 (USE FORMAT 7 FOR FULLTEXT)  
**Powerware Corporation and Power Integrity Corporation Launch OEM Relationship.**  
PR Newswire, p8201  
April 12, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 463

... which are recommended when additional protection is needed by Gilbarco Inc., the nation's largest **petroleum** **pump** manufacturer.

PICO systems feature a variety of benefits including surge and spike protection, single-point grounding, dispenser isolation **controls**, submersible tank **pump** relays, power distribution and simplified maintenance.

"This partnership gives petroleum operators and convenience stores a ...

...PICO products and will provide backup power for point-of-sale equipment, electronic cash registers, **video** equipment, safes, lottery machines,

automatic teller machines (ATMs), card swipe terminals, and, in unattended fueling...

14/3,K/28 (Item 9 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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06168062 Supplier Number: 53999460 (USE FORMAT 7 FOR FULLTEXT)  
**Gilbarco Acquires Logitron; Leading Italian Forecourt Petroleum Equipment Supplier.**

PR Newswire, p2435  
March 3, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 303

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...Gilbarco Inc. announced that it has acquired Logitron, the leading Italian supplier of forecourt services, **fuel dispensing** equipment, and retail automation products. Logitron holds a leadership position in several key international markets...  
... of Logitron, which follows last year's acquisition of Salzkotten, Germany's leading manufacturer of **petroleum dispensing** equipment, strengthens Gilbarco's leadership position as a total solution provider to the industry. Gilbarco...  
...of The General Electric Company, p.l.c.) is the world's leading supplier of **dispensers** and **fuel** management systems for retail petroleum marketers, with over 200 distributors and 400 authorized service contractors...  
...solutions for retailing fueling, Gilbarco offers electronic dispensing systems, built-in card reader/cash acceptors, **video** /ATM-style interfaces, **pump controllers**, environmental management systems, point-of-sale and total site management systems. Gilbarco system products are...

14/3,K/29 (Item 10 from file: 16)  
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05297536 Supplier Number: 48065506 (USE FORMAT 7 FOR FULLTEXT)  
**Canmax Strikes Strategic Alliance With Core-Mark**  
PR Newswire, p1020CGM009  
Oct 20, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 903

... and solutions such as store management, retail automation and a range of marketing, merchandising and **promotional** services.  
Canmax retail systems automate, monitor and manage inventory **control**, POS, **gas pumps** and debit/credit card readers. Using such technology as bar-code readers and merchandising decision...

14/3,K/30 (Item 11 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)

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05128310 Supplier Number: 47828888

**Albertson's plans to sell gasoline at Eagle store.**

Rodgers, Ellie

Idaho Statesman (Boise, ID), pB10

July 11, 1997

Language: English Record Type: Abstract

Document Type: Newspaper; Trade

ABSTRACT:

...the future. Albertson's states offering services other than groceries, such as bakeries, delis, pharmacies, **video** rental, and full-service banking attracts customers to the stores. Analysts state that **gas stations** at grocery stores are common in Europe, and are often part of discount and large grocery stores in the Midwest of the US. The **gas pumps** will be **controlled** by store employees, and will be open during regular store operating hours. ...

14/3,K/31 (Item 12 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04631786 Supplier Number: 46813734 (USE FORMAT 7 FOR FULLTEXT)

**Tandem Introduces Retail Industry's First Comprehensive Integrated Solution for Operation of Convenience Stores; "One-stop shopping" for C-Stores integrates best-in-class POS, back office, and central systems on Microsoft Windows NT Server.**

Business Wire, p10211253

Oct 21, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1273

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...TDM), the leader in business-critical computing, today introduced a highly integrated solution for managing **gas station** convenience stores (C-stores).

... prices, a cash drawer, and a customer pole display. The Tokheim system also includes a **fuel - dispenser** interface. The two recommended store back office solutions are from The Software Works! and Bizware...

...interchange (EDI) capability, which is used to automatically replenish inventory.

The Tandem solution also offers **fuel - dispenser** interfaces from Allied Electronics and interfaces for car washes and tank monitors. Other device interfaces...

...C-Store Solution are refrigeration monitoring units, ATM services, customer kiosks for Internet access, and **video** -on-demand services. With **video** -on-demand, a card swipe at the **pump triggers** the system to instantly deliver customized messages to **gas pump video** screens. The messages can reflect a card user's previous buying patterns, alerting them to...Himalaya servers. Tandem middleware technology also provides the power and immediate response times that enable **video** -on-demand at the **gas pump**, high performance from POS touch-screens, and processing of high volumes of sales transactions.

Availability...



14/3,K/32 (Item 13 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04424501 Supplier Number: 46491314 (USE FORMAT 7 FOR FULLTEXT)  
**Com/Tech Communication Technologies, Inc. announces intent to acquire  
Triangle Microsystems, Inc.**  
Business Wire, p6251145  
June 25, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 351

... million, has developed systems for use in a range of industries including microprocessor-based electronic **gasoline pump controllers**; point of sale/credit authorization control systems; and state-of-the-art building environmental controls...

...of remote data management and communications to facilitate the movement of digital information for both **video** and control systems. The combined resources will yield substantial opportunities for the development of new ...

...Systems, Inc. (WDS) of Washington, D.C. WDS owns and operates a satellite teleport and **video** production facilities connected by a fiberoptic transmission network to strategic locations within the Beltway, and...

...provider of diversified communications technology services including satellite media tours, interactive distance learning programs, and **video** production. NorthStar Distance Learning, a newly established division of Com/Tech, will spearhead the Company...

14/3,K/33 (Item 14 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

04293159 Supplier Number: 46291784 (USE FORMAT 7 FOR FULLTEXT)  
**Fourth Capitol Train Added to Amtrak California Schedule.**  
Business Wire, p4090123  
April 9, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 571

... program calls for track, signal and crossing improvements over the next three years that will **increase speed**, reduce travel time and allow for additional frequency. Amtrak operates the Capitol service under contract...

...Capitols, while reducing last year's operating costs. Introduction of new Amtrak California equipment, improved **station** facilities, **fuel** cost savings and operational efficiencies contributed to a decrease in Amtrak operating costs.

A combination of special **promotional** fares and an aggressive marketing campaign aimed at attracting new riders has produced growth in...

14/3,K/34 (Item 15 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04022564 Supplier Number: 45846827 (USE FORMAT 7 FOR FULLTEXT)

**High-Density Assemblies**

Electronic Engineering Times, p55

Oct 9, 1995

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 3000

... costly, vendors are seeking alternatives for workstations and other equipment used for both data and **video** .

One solution, from Molex Inc. (Lisle, Ill.), uses hybrid technology. The Molex Microcross connector combines...

...a cross between contacts. The design yields four coaxial I/Os for applications including enhanced **video** and other high-speed coaxial uses.

Meanwhile, developments are increasing for flexible circuitry and flex ...

...flex. Engineering and tooling cycles were longer than for rigid boards, which are built by **speedy** , numerically **controlled** drillers and routers.

But new manufacturing equipment and processes have reduced flex's dependency on...20 or more from their accounts by means of ATMs, and then make purchases at **gas stations** , fast-food outlets and other locations. Visa is developing a similar program, Visa Cash, which...

14/3,K/35 (Item 16 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

03111818 Supplier Number: 44242269 (USE FORMAT 7 FOR FULLTEXT)

**LCI INTERNATIONAL ANNOUNCES**

PR Newswire, p1

Nov 18, 1993

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 342

... and credit card companies.

LCI TransConnect will provide point-of-sale devices at department stores, **gas stations** and retailer sites access to transaction processing providers for applications such as credit card authorizations...

...LCI's 12-second transaction pricing accommodates the needs of our customers. As customers terminal **speeds increase** , LCI will modify the billing increments to provide the most economical service to our customers...

...that provides to its business and residential customers a full array of voice, data and **video** transmission services through its fiber-optic network. LCI International, Inc., with headquarters in McLean, Va...

14/3,K/36 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

14453806 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Operations Are Returning to Normal in Aftermath of Firestone Tire Recall**  
Terry Box  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (DALLAS MORNING NEWS - TEXAS)  
December 30, 2000  
JOURNAL CODE: KDMN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1344

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... said. "But what are people supposed to do? You can't go to many corner **gas stations** anymore and get air. Most don't have it. And the ones that do want...on it and happened to be shod with Goodyear tires. It then fitted a radio- **controlled** air **valve** to the left rear wheel that could instantaneously deflate the tire, simulating a blowout.

The...

... the pavement, you have an excellent chance of bringing it to a safe halt."

A **video** of the tests is available at [www.caranddriver.com](http://www.caranddriver.com).

Mr. Scott said he doesn't...

14/3,K/37 (Item 2 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

14205732 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**UK Nov all-items RPI up 3.2 pct yr-on-yr; RPI-X up 2.2; RPI-Y up 1.8**  
AFX EUROPE  
December 12, 2000  
JOURNAL CODE: WAXE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 711

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... on the all-items annual rate came from changes in motoring costs, mainly due to **increases** in **petrol pump** prices in November in contrast to a fall last year.

Motoring expenditure, which added 0...

... drinks NS noted that some of the major supermarkets have already unveiled plans for Christmas **promotional** offers on a range of products.

NS said last December the average mortgage interest rates...

14/3,K/38 (Item 3 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

08564380 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**India: Preparations on for cryogenic engine test**  
Our Special Correspondent  
HINDU  
December 05, 1999

JOURNAL CODE: FHIN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 975

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... can also intervene if he notes a fire or some other problem through the six **video** feeds from the test site or sees a warning on his computer screen.

However, Mr...

... They will set up everything before handing control over to the computers. The computers will **control** about 450 **valves** through an equal set of commands. Besides, they will issue another set of 100 commands...

... achieved because the engine recycles the fuel (propellant) used for running the turbines of the **fuel pump**.

The dynamics of the rotor is complicated as the turbine spins at a very high...

14/3,K/39 (Item 4 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

05286485 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**AXIS COMMUNICATIONS: Axis brings CCTV performance to remote surveillance with the AXIS 2400 video server**

M2 PRESSWIRE

May 11, 1999

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 783

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**AXIS COMMUNICATIONS: Axis brings CCTV performance to remote surveillance with the AXIS 2400 video server**

... at IFSEC in Birmingham, Axis Communications launched its first dedicated surveillance product, the **AXIS 2400 video server**, a self-contained network **video** server designed to make remote surveillance powerful, easy and low cost. Capable of transmitting live, high-quality Motion JPEG images up to 30 frames per second; it brings real-time **video** transmission over any network including the Internet to a remote PC for instant viewing. Images...

...31 and retails at GBP 1,250.

To install it, users attach up to four **video** sources to the **AXIS 2400**, then directly connect the **video** server to a 10/100MB Ethernet network, assign it a network address, then using any...

... PC, type in the assigned IP address and instantly they are able to view live **video** and control the **AXIS 2400**. The product is easily integrated with an existing CCTV system...

... perform guard tours and controlled live by a user-friendly point-and-click interface. All **video** sources can be viewed simultaneously in quad mode.

"Until now **video** transmission systems have been in the dark ages requiring complicated multi-box transceiver/receiver solutions...

... cutting edge network/Internet technology and use their existing PCs and

software to view live **video** from anywhere in the world at half the cost."

At GBP 1,250 AXIS 2400 breaks the price/performance barrier of alternative solutions. Unlike traditional **video** transmission systems, the AXIS 2400 is a one-box solution. No additional computer hardware, software ...

... the solution cost as there are considerably lower installation and maintenance costs.

The AXIS 2400 **video** server is ideal for virtually any surveillance applications where close to real-time monitoring is...

...surveillance, railway monitoring, airports, banks, manufacturing plants, process monitoring, remote image archiving, remote administration, shops, **gas stations**, car parks and more.

In addition to its **video** -quality transmissions, its four alarm inputs and one output allow it to monitor and control alarms as well as automatically store **video** in the AXIS 2400's pre/post alarm buffer, to a remote PC, or send...

... RS232, RS485, and RS422 protocols and its four coax inputs support both NTSC and PAL **video**. These are key features for allowing the AXIS 2400 to augment new and existing CCTV systems.

The AXIS 2400 **video** server has a suggested list price of GBP 1,250 and is available now through **Video** Imaging Supplies. Additional information is available at Axis' surveillance product Web site (cctv.axis.com...)

... management, and an optimised 32-bit RISC chip complete with device I/O and network **controllers** for high- **speed** data transport.

Axis is a leader in the fast growing industry of network-attached peripherals...

14/3,K/40 (Item 5 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

04458833 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Gas Stations **Pumping Out New Services**  
Matt Nauman  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (SAN JOSE (CALIF.) MERCURY NEWS)  
February 26, 1999  
JOURNAL CODE: KSJM LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1703

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
Gas Stations **Pumping Out New Services**

... board slicing hot loaves of sourdough bread for sandwiches, oil companies have determined that the **gas station** of the future will offer more and different services than it does today.

In some...

Operating right now in Northern California are two vastly different visions of tomorrow's **gas station**. The first is high tech all the way, offering an automated way to deliver gas...

...per minute. In less than three minutes, the Ford Taurus with a full tank of **gas** leaves the **station** -- all without a human hand touching the outside of the car.

Using an interface no...

...dinner.

Both the Smart Pump and Foodini's are real-world looks at the future **gas station**.

Long gone are the neighborhood service stations with Gomer working the pumps and Goober fixing...

...cigarettes will be waiting for you at the cash register inside.

In Dallas, the Blockbuster **video** chain will soon put 150-title vending machines in front of two Texaco service stations...

... the rear windshield or as a tag on a key chain, Speedpass immediately activates the **pump**.

Linking **gas pumps** with burgers-and-fries is another burgeoning trend.

"A very high percentage of **gas stations** today have convenience stores," said Tom Osborne, spokesman for the Society of Independent Gasoline Marketers...

...McDonald's or a Wendy's or a Subway at the same location as a **gas station**. At some Jack In The Box locations, **gas pumps** are being added -- the reverse of the usual order.

Other services from dry cleaning to banking at the **gas stations** are coming soon, Osborne said.

"Everything we're doing these days is designed around convenience... credit card size device that is placed on a dashboard. Driving up to the Smart **Pump**, the **controller** reads the transponder, activating the process. The driver then drives up to a terminal, where...

SIC CODES/DESCRIPTIONS: 5541 ( **Gasoline Service Stations** )

14/3,K/41 (Item 6 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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04302202 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Lucas Aerospace to Highlight New Corporate Image At 1999 Australian International Air Show**

PR NEWSWIRE

February 11, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 406

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... control actuation, Sharper missile flight actuation, and Closer customer support. The booth also incorporates a **video** attract sequence and two CD ROM stations providing complete information about Lucas Aerospace's capabilities...

... flying on Lockheed Martin's C130J aircraft. The system includes a full authority digital engine **control**, **fuel pump** and metering unit, and variable geometry actuator. The company's Electro Hydrostatic Actuator (EHA) flight...

14/3,K/42 (Item 7 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

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02586458 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Manawatu plans to counter 2000 threat**

EVENING POST, p3

August 18, 1998

JOURNAL CODE: WTEP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 424

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... all be hit.

It will even affect everyday things such as washing machines, microwaves, radios, **video** recorders, eftpos and banking facilities, as well as vehicles, **petrol pumps** and car wash **control** systems.

For the past two months Ms Walker says the Project 2000 group has been ...

**14/3,K/43 (Item 1 from file: 47)**

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2006 The Gale group. All rts. reserv.

05268924 SUPPLIER NUMBER: 21273415 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Putting TPI on a classic Chevy. (Tuned Port Injection) (Injection Infection) (Cover Story)**

McGean, Terry

Hot Rod, v51, n12, p50(5)

Dec, 1998

DOCUMENT TYPE: Cover Story ISSN: 0018-6031 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1404 LINE COUNT: 00107

... expensive items are missing or incompatible.

One alternative is a complete setup (manifolds, sensors, harness, **fuel pump**, and so on) from a salvage-yard single-donor car. Though you'd need to...

...April '98 issue ("Injection Connection"). Here's what you need to know. Use an electric **fuel pump** capable of generating high levels of fuel pressure, and run a return line to recirculate...

...205 degrees of intake duration on a 116-degree lobe-separation angle. Of course, the **speedball** inclination is to **increase** duration and narrow the separation angle to get a rumpity-rump idle, but that can...Chevrolet TPI & TBI Engine Swapping manuals, as well as the Inside Your Tuned Port two- **video** set from Street & Performance, are excellent reference materials and well worth the minimal investment. We...

**14/3,K/44 (Item 2 from file: 47)**

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2006 The Gale group. All rts. reserv.

05175255 SUPPLIER NUMBER: 20851941 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Fuel hardy: parts selection for power and performance.**

McFarland, Jim

Hot Rod, v51, n7, p120(8)

July, 1998

ISSN: 0018-6031 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2880 LINE COUNT: 00222

... classified as over-square designs (having bores larger than stroke lengths).

Fundamentally, the combustion-flame **speed increases** with bore size and piston speed, primarily as a result of increased mixture motion. But...

...shortened. So it makes theoretical sense that high specific-power-output potential is possible with **increased** piston **speed** in an over-square engine.

However, as the surface over which the flame travels is...

...as BTU per value of weight or time, as in BTU/gallon or BTU/second.

#### **Pump and Racing Gas**

According to Tim Wusz, longtime engineer with Union 76 Racing Gasoline, "A primary objective of...

...be burned in the very short combustion time available at high rpm. As a rule, **pump gasoline** just can't burn fast enough to meet this requirement." Then it's not so...

...includes other functions of a cylinder, the actual burn time is even shorter. In general, **pump gasoline** is not compounded to meet these conditions, and it cannot vaporize or burn quickly enough...

...this rule borders on generalization, it's safe to say that the burn times of **pump gasoline**, racing **gasoline**, alcohol, and nitromethane tend to increase from one end of the spectrum to the other.

Overall, racing gasoline has a higher thermal efficiency at high rpm than **pump gas**. A good racing brew also allows for higher mechanical-compression ratios. But the bottom line...is available," he says.

Gaerte tackles wet-flow investigations with strobe lights and high-speed **video**-recording equipment. Stop-action studies of wet surfaces and areas of alcohol air separation can...

...the ability to contain the pressure nitro delivers: more fuel equals more power. A Top **Fuel fuel pump** capable of 70 gallons per minute equates to 1.17 gallons per second! During a...cylinder pressure occurs exactly at piston TDC.

3. Racing gasoline provides slower burn rates than **pump gas**, enabling power to be produced at high rpm.

4. Because alcohol tends to run cooler...

14/3,K/45 (Item 3 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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04228328 SUPPLIER NUMBER: 16097188 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Franchisor strategy: a proposed model and empirical test of franchise versus company ownership.**

Combs, James G.; Castrogiovanni, Gary J.  
Journal of Small Business Management, v32, n2, p37(12)  
April, 1994

ISSN: 0047-2778 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 5608 LINE COUNT: 00534

... franchisees) identify with and sell products produced by a supplier (franchisor), e.g., automobile dealers, **gasoline stations**, and soft drink bottlers. Business format franchises encompass most business operations in addition to the...Kelly 1968-69). Young, growth-oriented



firms are assumed to use franchising in order to **increase flows** of scarce resources. Meanwhile older, larger firms with slack resources can fuel growth despite company...

Pets	5	16.00	14.6	44.57	34.2	8.80	3.3
Photographic/ Video	6	76.17	111.8	54.59	45.6	13.00	7.9

Printing & Copying...

**14/3,K/46 (Item 4 from file: 47)**  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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04192954 SUPPLIER NUMBER: 16476611 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Wrapping up Super 'Stang with some major 5.0 mods. (1989 Ford Mustang)**  
Hardin, Drew  
Hot Rod, v48, n2, p40(5)  
Feb, 1995  
ISSN: 0018-6031 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1897 LINE COUNT: 00142

TEXT:

...re just about done at this point, but not quite--the car will hit the **promotional** trail and eventually be given away in a sweepstakes with Super Shops stores.

... when we built the engine. Collins also mounted an external, 300-liter-per-hour Bosch **fuel pump** to feed what will be a thirsty engine when the pedal is mashed down. Back...bar, Zoom clutch, T-5 transmission, shorty headers, H-pipe, underdrive pulley set, MAP package, **fuel pump** ) Dept. HR02 1611 Railroad St. Corona, CA 91720 909/735-8880  
BFGoodrich (Comp T/A...

...3648

Edelbrock Corporation (engine assembly, camshaft drive, Performer cylinder heads, intake system, throttle body, water **pump**, lower **control** arms) Dept. HR02 2700 California St. Torrance, CA 90503 310/781-2222  
Fel-Pro, Inc...

...90806 800/FLO-FITS (356-3487)

Ford Motorsport Performance Equipment (camshaft, rocker arms, valve covers, **fuel** injectors, oil **pump**, T-5 transmission, ring-and-pinion set, speedometer drive gear) Dept. HR02 44050 N. Groesbeck...

**14/3,K/47 (Item 5 from file: 47)**  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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04160648 SUPPLIER NUMBER: 15910867 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Towing with alternative fuels. (includes related information)**  
Trailer Boats, v23, n11, p37(5)  
Dec, 1994  
ISSN: 0300-6557 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2857 LINE COUNT: 00246

... by Cardinal Automotive, which also does some manufacturers' conversions. Since the Eco TrailBlazer was a **promotional** vehicle for CNG, it was well endowed with custom accessories and gadgets, but only a...

...it's less expensive and cleaner-burning.

The Eco TrailBlazer came complete with a "Natural **Gas** Fueling

**Stations** Directory" and a Southern California Gas Company credit card. It listed all CNG stations--34...just didn't seem natural to pull up beside an office building that had two **gasoline - pump** -like islands off to one side. The fueling area was empty. I pulled out the...

...was empty and clean. What a nice way to fuel up.

Jim stood at the **fuel pump**, while I inserted the card. "Let me know when it's ready," Jim called out...

...a message like that," the superintendent said. Then he opened the box, made a few **adjustments**, and the **pump** turned on.

As Jim made his inaugural CNG fill-up, I stood with the two...

...have a fire."

We all turned toward Jim, who was smiling as he continued to **pump fuel** through the Spearex adapter, not suspecting that somewhere below might be an inferno ready to...

?

File 256:TecInfoSource 82-2006/May  
(c) 2006 Info.Sources Inc  
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(c) 2002 The Gale Group  
File 474:New York Times Abs 1969-2006/Apr 19  
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File 475:Wall Street Journal Abs 1973-2006/Apr 10  
(c) 2006 The New York Times

Set	Items	Description
S1	9564	(FUEL OR GAS OR GASOLINE OR PETROL?) ( ) (DISPENS? OR PUMP???
		OR STATION? ?)
S2	95288	(CONTROL? OR TRIGGER? OR MANIPULATE? OR INCREAS? OR DECREA-
		S? OR MODULAT?) (3N) (SPEED? OR FLOW???)
S3	292424	AD OR ADS OR ADVERTISEMENT? OR PROMOTION? ? OR INFOMERCIAL?
S4	0	BILLBOARD()VIDEO?
S5	1432	AU=(HALL, W? OR HALL W? OR STAPP, R? OR STAPP R? WILLIAM(2-
		N)HALL OR RON?(2N)STAPP)
S6	56	S1 AND S2
S7	0	S6 AND S3
S8	154	S1 AND S3
S9	0	S8 AND S2
S10	3	S8 AND (SPEED? OR FLOW???)
S11	857	S2 AND S3
S12	25	S11 AND (FUEL OR GAS OR GASOLINE OR PETROL?)
S13	5	S12 NOT GAS
S14	1	S13 NOT AD
S15	21	S5 AND (S1 OR S2 OR S3)
S16	21	S15 NOT PY>2000
S17	20	RD (unique items)

10/5/1 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09626242

Tobacco giants initiate tough marketing rules  
Malaysia: End to indirect advertising for tobacco firms  
Business Times Malaysia (XAR) 31 Oct 2001 p.1  
Language: ENGLISH

As of 11 September 2001, the three main players in the tobacco world, Philip Morris, Japan Tobacco International and British American Tobacco, entered into a voluntary pact which will see them stop advertising their tobacco products via non-tobacco products and services. This is applicable worldwide and is in line with efforts by the tobacco giants to direct their products only at knowledgeable adults and not at the impressionable youth. In Malaysia, this will mean an end to the sponsorship of football and musical events by tobacco firms. Presently, cigarette brand Kent sponsors concerts and musical events and Dunhill sponsors Malaysian FA cup football matches, while on TV it sponsors the UK Premier League Soccer games. Although the new marketing standards for the tobacco firms are to come into effect only by 31 December 2002, British American Tobacco Malaysia (BAT) has done its homework by putting a stop to 'stand-alone' trade, distribution and marketing **advertisements** as of 11 September 2001. It is also not looking to renew Dunhill's soccer sponsorship when the sponsorship contracts come to an end. However, BAT says it will not skimp on its advertising budget, choosing instead to focus on point-of-sale **advertisements** in places such as **petrol stations** and entertainment outlets. Analysts say that BAT has an edge over its rivals given the fact that it controls 69% of the Malaysian cigarette market and has a sound cash **flow** position, enabling it to dabble in other marketing efforts. Analysts also expect the end to indirect advertising by cigarette firms to not have an adverse effect on the Malaysian tobacco market, although advertisers could be affected as advertising by tobacco firms accounts for 5%-6% of overall advertising expenditure in the country.

COMPANY: PHILIP MORRIS; JAPAN TOBACCO INTERNATIONAL; BRITISH AMERICAN TOBACCO; KENT; DUNHILL; BAT

EVENT: Market & Industry News (60); Marketing Procedures (24);  
COUNTRY: Malaysia (9MAO); General Worldwide (0W);

10/5/2 (Item 2 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09508191

Las tintorerias 5 a sec y BP Oil renuevan suacuerdo comercial  
SPAIN: BP OIL AND 5 A SEC RENEW ALLIANCE  
Cinco Dias (CDS) 18 Apr 2001 p.9  
Language: SPANISH

The **petrol station** operator BP Oil active in Spain and the **speed** dry-cleaner shops 5 a Sec have renewed their commercial agreement, initially signed in 1998. According to it, 5 a Sec is involved in BP Oil **promotion** campaign 'Premium Plus', which awards points for petrol

acquisition. Points could be changed by presents and services of firms partners of the initiative. \*

Sylvia Keys

20-Apr-06 09:29 AM

COMPANY: 5 A SEC; BP OIL

PRODUCT: Office & Factory Cleaning (73490F); Garages & Filling Stations (5541); Fuel & Ice Dealers (5980);  
EVENT: Company Formation (14); Marketing Procedures (24);  
COUNTRY: Spain (4SPA);

10/5/3 (Item 1 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
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00390836 NYT Sequence Number: 046176731125

(Pres Nixon on Nov 24 announces he will speak to nation on gasoline and fuel oil conservation, news conf; reptdly will ban Sunday gasoline sales and reduce deliveries of home heating oil; official says stress will be on conservation, not rationing; Adm is believed prepared to cut back heating oil deliveries by 15%, restrict fuel use by private planes and boats, set standards for dimming outdoor ad lighting, reduce speed limits to 50 mph for cars and 55 mph for trucks and buses, urge decrease in gasoline production and increase of home heating oil production by refineries, and request gasoline stations to close from 9 PM Saturday until 12 AM Sunday; officials say Pres may shortly impose mandatory allocation on residual oil, particularly in Northeast, because of critically short supply; 22 New England power cos announce 5% voltage reduction because of shortage; Nixon interrupts Thanksgiving Day holiday to conf with M R Laird and Energy Policy Dir J A Love; repts discussion centers on conservation moves and general agreement was reached; emphasizes need to sacrifice; illus)

New York Times, Col. 8, Pg. 1

Sunday November 25 1973

DOCUMENT TYPE: Newspaper; Editors Note JOURNAL CODE: NYT LANGUAGE:

English RECORD TYPE: Abstract

COMPANY NAMES: ENERGY POLICY OFFICE

DESCRIPTORS: ADVERTISING; AIRPLANES; AUTOMOBILES; BOATING; BROWNOUTS (ELECTRICAL); DISPLAY ADVERTISING; ELECTRIC LIGHT AND POWER; ENGINES; GARAGES AND SERVICE STATIONS; HEATING; JET FUEL; OIL (PETROLEUM) AND GASOLINE; OUTDOOR ADVERTISING; RATIONING AND ALLOCATION OF RESOURCES; ROADS AND TRAFFIC; SHORTAGES; **SPEED** LIMITS AND **SPEEDING** ; SUNDAY CLOSINGS; THANKSGIVING DAY

PERSONAL NAMES: FINNEY, JOHN W; LAIRD, MELVIN ROBERT; LOVE, JOHN A; NIXON, RICHARD MILHOUS

GEOGRAPHIC NAMES: UNITED STATES (1973 PART 1)

14/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01310657 ORDER NO: AADNN-78739

**TURBULENCE STRUCTURE OF A PREMIXED FLAME IN A COAXIAL FREE AIR JET IN THE PRESENCE OR ABSENCE OF A BASE FLOW**

Author: CUSWORTH, ROLAND ALAN

Degree: PH.D.

Year: 1992

Corporate Source/Institution: UNIVERSITY OF TORONTO (CANADA) (0779)

Source: VOLUME 54/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2608. 316 PAGES

Descriptors: ENGINEERING, AEROSPACE

Descriptor Codes: 0538

ISBN: 0-315-78739-2

The base region surrounding the nozzle exit plane of rockets has a strong influence on the structure of the hot turbulent exhaust plume. It has also been established that numerical simulations of such flows are strongly dependent on the turbulence model employed. The present experimental study is an attempt and to provide benchmark data on the turbulence structure of this type of flows, for turbulence model validation purposes and to shed some light into the base region effect.

The real flow situation of interest is modelled in the laboratory by a premixed hydrogen/air flame in a co-flowing air in the presence or absence of a base region between the central and annular jets. The main experimental diagnostic tool used is an Argon-ion, two-dimensional (two-colour) laser Doppler velocimeter, with a relevant data acquisition and processing system. Mean axial and radial velocities, as well as the three turbulence intensities and shear intensity were obtained along the centreline and nine cross-sections of the **flow**. A two **control** volume arrangement was used to measure direct correlations of the axial fluctuating velocities from which the axial turbulence macro-scale was derived. The macro-scale and the measured turbulence kinetic energy provide experimental data on the dissipation rate of the turbulence kinetic energy, an important constituent variable in all turbulence models, which has been neglected in almost all previous experimental investigations.

The results obtained indicate that, in a **fuel**-rich exhaust plume, the temperature would increase due to **promotion** of secondary combustion by the base, and thus increase both infrared radiation emissions and microwave attenuation in the vicinity of the nozzle exit. In the case of a **fuel**-lean flame, downstream of the base flow region the temperature would be suppressed due to the strong influx of cold surrounding air, and thus reduce the production of infrared radiation and microwave attenuation. Due to the lack of a low velocity recirculation zone, secondary combustion in the nonbase **fuel** rich exhaust plume is less likely to occur; but, the nonbase exhaust may produce a longer detectable infrared signal, since the temperature in the thermal layer decreases more slowly than in the case of the base flame.

17/5/1 (Item 1 from file: 256)  
DIALOG(R)File 256:TecInfoSource  
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00156313 DOCUMENT TYPE: Review

PRODUCT NAMES: Nanoparticles (802191); Nanosensors (816031); Medical Research (838861); Medical Diagnosis (830362); LSPR (Localized Surface Plasmon Resonance) (817741); Nanophotonics (808083)

TITLE: Nanoscale plasmonics begins to unravel Alzheimer's disease  
AUTHOR: Haes, Amanda J Hall, W Paige Van Duyne, Richard P  
SOURCE: Laser Focus World, v41 n6 p105(4) Jun 2005  
ISSN: 0740-2511  
HOMEPAGE: <http://www.lfw.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis

The use of nanoparticles for the very delicate and selective detection of bio-molecules, a process used in the study of Alzheimer's disease, has been demonstrated with model systems and complex human samples. The next phase of LSPR nanosensor investigation should help reach analyte-multiplexing ability in an array format and integrate the latter into a microfluidic chip. Because researchers can build on the already established and commercially available SPR (surface propagating surface) sensing device, this is not too far off. The technology for clinical diagnostics for Alzheimer's disease is still nascent, but the work serves to show that LSPR (localized surface-plasmon resonance) nanotechnology offers new information not attained with standard assay techniques. Future studies will analyze the complex biological samples for AD and other diseases. Possible microfluidic implementation and extensive sample testing of diseased and control populations will in time determine the success of the LSPR nanosensor. A 2001 paper has described the response of the optical properties (color) of nanoparticles to adsorbates through shifts in the extinction maxima of the LSPR of homogeneous silver nanoparticles fabricated using nanosphere lithography. Further study resulted in development of a new class of nanoscale optical sensors. A biosensor based on model systems showed that the design of a correct surface chemistry allowed substantially quantitative and specific responses to biological analytes and would allow monitoring through measurement of optical changes. The magnitude of the response of the sensor was

COMPANY NAME: TecTerms (999999)  
SPECIAL FEATURE: Graphs  
DESCRIPTORS: Medical Diagnosis; Medical Research; Nanotechnology; Sensors  
REVISION DATE: 20060100

17/5/2 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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07712897 INSPEC Abstract Number: A2000-21-9260-029

Title: Origins of aircraft-damaging clear-air turbulence during the 9 December 1992 Colorado downslope windstorm: numerical simulations and comparison with observations

Author(s): Clark, T.L.; Hall, W.D. ; Kerr, R.M.; Middleton, D.; Radke, L.; Ralph, E.M.; Neiman, P.J.; Levinson, D.

Author Affiliation: Nat. Center for Atmos. Res., Boulder, CO, USA

Journal: Journal of the Atmospheric Sciences      vol.57, no.8      p.1105-31  
Publisher: American Meteorol. Soc,  
Publication Date: 15 April 2000      Country of Publication: USA  
CODEN: JAHSAK      ISSN: 0022-4928  
SICI: 0022-4928(20000415)57:8L.1105:OADC;1-7  
Material Identity Number: J025-2000-008  
U.S. Copyright Clearance Center Code: 0022-4928/2000/\$4.25+0.25  
Language: English      Document Type: Journal Paper (JP)  
Treatment: Theoretical (T); Experimental (X)

Abstract: Results from numerical simulations of the Colorado Front Range downslope windstorm of 9 December 1992 are presented. Although this case was not characterized by severe surface winds, the event caused extreme clear-air turbulence aloft, as indicated by the severe structural damage experienced by a DC-8 cargo jet at 9.7 km above mean sea level over the mountains. Detailed measurements from the National Oceanic and Atmospheric Administration/Environmental Research Laboratories/Environmental Technology Laboratory Doppler lidar and wind profilers operating on that day and from the Defense Meteorological Satellite Program satellite allow for a uniquely rich comparison between the simulations and observations. Four levels of grid refinement were used in the model. The outer domain used National Centers for Environmental Prediction data for initial and boundary conditions. The finest grid used 200 m in all three dimensions over a 48 km by 48 km section. The range of resolution and domain coverage were sufficient to resolve the abundant variety of dynamics associated with a time-evolving windstorm forced during a frontal passage. (44 Refs)

Subfile: A

Descriptors: aircraft; atmospheric turbulence; remote sensing by laser beam; remote sensing by radar; storms; troposphere; wind

Identifiers: aircraft-damaging clear-air turbulence; AD 1992 12 09; Colorado downslope windstorm; numerical simulation; observations comparison; Colorado Front Range; structural damage; DC-8 cargo jet; mountains; Doppler lidar profilers; wind profilers; Defense Meteorological Satellite Program satellite; National Centers for Environmental Prediction data; frontal passage; dynamics; 9.7 km

Class Codes: A9260E (Convection, turbulence, and diffusion in the lower atmosphere); A9260Q (Atmospheric storms); A9260G (Winds and their effects in the lower atmosphere); A9330H (North America)

Numerical Indexing: altitude 9.7E+03 m

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17/5/3      (Item 2 from file: 2)

DIALOG(R)File      2:INSPEC

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07645564      INSPEC Abstract Number: B2000-08-6135C-102, C2000-08-6160M-011

Title: Thematic video indexing to support video database retrieval and query processing

Author(s): Khoja, S.A.; Hall, W.

Author Affiliation: Multimedia Res. Group, Southampton Univ., UK

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)  
vol.3846      p.371-80

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1999      Country of Publication: USA

CODEN: PSISDG      ISSN: 0277-786X

SICI: 0277-786X(1999)3846L.371:TVIS;1-Z

Material Identity Number: C574-1999-338

U.S. Copyright Clearance Center Code: 0277-786X/99/\$10.00

Conference Title: Multimedia Storage and Archiving Systems IV

Conference Sponsor: SPIE



Conference Date: 20-22 Sept. 1999      Conference Location: Boston, MA, USA  
Language: English      Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P)

Abstract: The paper presents a novel video database system, which caters for complex and long videos, such as documentaries, educational videos, etc. As compared to relatively structured format videos like CNN news or commercial **advertisements**, this database system has the capacity to work with long and unstructured videos. A video's metadata is stored in a database. This metadata is used for indexing and querying the video. In this model, metadata contains information about segments (combinations of frames) and scenes (collections of segments that represent the same content). The metadata is organized in such a way that it can be used to navigate a theme (concept or idea). Annotations describing scenes are linked in hierarchical manner to create a story line in the video, where thematic indexing is used to develop a video catalogue. Thematic indexing is a novel way to track a story in a video. A video contains many themes, which are implicitly related to each other. In order to resolve queries about particular scenes in a video, the scenes are stored hierarchically, which provides "is-a" or "have-part" relations between them. We have tested our model on an hour-long documentary made for television. The results show that a user can easily query for natural scenes or events. The database system has been designed to ensure MPEG-4 compatibility. The metadata and other information is kept in such a format that it could be easily converted as captions to Audio Video Objects (AVOs) at the access unit layer in the MPEG-4 System Layer Model. (18 Refs)

Subfile: B C

Descriptors: database indexing; meta data; query processing; video coding; video databases

Identifiers: thematic video indexing; video database retrieval; query processing; video database system; educational videos; database system; unstructured videos; metadata; story line; video catalogue; natural scenes; MPEG-4 compatibility; captions; Audio Video Objects; access unit layer; MPEG-4 System Layer Model

Class Codes: B6135C (Image and video coding); C6160M (Multimedia databases); C6160S (Spatial and pictorial databases); C5260D (Video signal processing); C4250 (Database theory); C7250R (Information retrieval techniques)

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17/5/4      (Item 3 from file: 2)

DIALOG(R)File    2:INSPEC

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07185328    INSPEC Abstract Number: A1999-08-9260-035

**Title: Cloud-resolving modeling of cloud systems during phase III of GATE.**

**II. Effects of resolution and the third spatial dimension**

Author(s): Grabowski, W.W.; Xiaoqing Wu; Moncrieff, M.W.; Hall, W.D.

Author Affiliation: Nat. Center for Atmos. Res., Boulder, CO, USA

Journal: Journal of the Atmospheric Sciences    vol.55, no.21    p. 3264-82

Publisher: American Meteorol. Soc,

Publication Date: 1 Nov. 1998    Country of Publication: USA

CODEN: JAHSAK    ISSN: 0022-4928

SICI: 0022-4928(19981101)55:21L.3264:CRMC;1-P

Material Identity Number: J025-1998-022

U.S. Copyright Clearance Center Code: 0022-4928/98/\$19.00

Language: English    Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: For pt.I see *ibid.*, vol.53, no.24, p.3684-709 (1996). Two- and

three-dimensional simulations of cloud systems for the period of 1-7 September 1974 in phase III of the Global Atmospheric Research Programme (GARP) Atlantic Tropical Experiment (GATE) are performed using the approach discussed in Part I of this paper. The aim is to reproduce cloud systems over the GATE B-scale sounding array. Comparison is presented between three experiments driven by the same large-scale conditions: (i) a fully three-dimensional experiment, (ii) a two-dimensional experiment that is an east-west section of the three-dimensional case, and (iii) a high-resolution version of the two-dimensional experiment. Differences between two- and three-dimensional frameworks and those related to spatial resolution are analyzed. The results support the notion that, as long as high-frequency temporal variability is not of primary importance, low-resolution two-dimensional simulations can be used as realizations of tropical cloud systems in the climate problem and for improving and/or testing cloud parameterizations for large-scale models. (45 Refs)

Subfile: A

Descriptors: atmospheric precipitation; atmospheric radiation; atmospheric thermodynamics; clouds; convection; meteorology

Identifiers: cloud-resolving modelling; GATE phase III; resolution effects; third spatial dimension; 2D simulations; 3D simulations; AD 1974 09 01 to 07; Global Atmospheric Research Programme; GARP Atlantic Tropical Experiment; GATE B-scale sounding array; 3D experiments; 2D experiments; spatial resolution; temporal variability; tropical cloud systems; climate; cloud parameterizations; large-scale models

Class Codes: A9260N (Cloud physics); A9260X (Weather analysis and prediction); A9260J (Water in the atmosphere (humidity, clouds, evaporation, precipitation))

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17/5/5 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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07157373 INSPEC Abstract Number: C1999-03-7810C-042

**Title: Reusability and maintainability in hypermedia applications for education**

Author(s): Mendes, E.; Harrison, R.; Hall, W.

Author Affiliation: Dept. of Electron. & Comput. Sci., Southampton Univ., UK

Journal: Information and Software Technology vol.40, no.14 p.841-9

Publisher: Elsevier,

Publication Date: 1 Dec. 1998 Country of Publication: Netherlands

CODEN: ISOTE7 ISSN: 0950-5849

SICI: 0950-5849(19981201)40:14L:841:RMHA;1-G

Material Identity Number: F335-1999-003

U.S. Copyright Clearance Center Code: 0950-5849/98/\$19.00

Document Number: S0950-5849(98)00096-2

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: This paper reports the results of applying metrics to hypermedia authoring under the SHAPE (Southampton hypermedia authoring paradigm for education) research project. The aim of SHAPE is to help authors develop high quality large hypermedia applications for education. The quality characteristics considered are the reusability of information, the maintainability of applications and the authoring effort. In the hypertext field there have been a number of proposals for hypertext metrics, developed mainly in an ad-hoc fashion, contributing to the expression of measures in an ambiguous manner and limiting their use. Unfortunately, many measures proposed in the literature lack the necessary mathematical or empirical justification. The metrics proposed in this paper

have been developed using the goal-question-metric approach, and adhere to the representational theory of measurement. We describe the development of the metrics and the results of a quantitative empirical study which compares two different hypermedia authoring systems. (38 Refs)

Subfile: C

Descriptors: authoring systems; courseware; hypermedia; multimedia computing; software maintenance; software metrics; software reusability

Identifiers: maintainability; metrics; hypermedia authoring; SHAPE research project; Southampton hypermedia authoring paradigm for education; high quality large hypermedia application development; quality characteristics; information reusability; hypertext metrics; mathematical justification; empirical justification; goal-question-metric approach; representational measurement theory; quantitative empirical study

Class Codes: C7810C (Computer-aided instruction); C6130D (Document processing techniques); C6130M (Multimedia); C6115 (Programming support); C6110B (Software engineering techniques); C6110S (Software metrics)

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17/5/6 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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07046712 INSPEC Abstract Number: C9811-7810C-059

**Title: Measuring reusability and maintainability in hypermedia applications for education**

Author(s): Mendes, E.; Harrison, R.; Hall, W.

Author Affiliation: Dept. of Electron. & Comput. Sci., Southampton Univ., UK

Conference Title: EASE 98. Papers from the Conference on Empirical Assessment in Software Engineering p.75-86

Publisher: Keele Univ, Keele, UK

Publication Date: 1998 Country of Publication: UK 180 pp.

Material Identity Number: XX98-01117

Conference Title: Proceedings of EASE '98: Empirical Assessment and Evaluation in Software Engineering

Conference Sponsor: IEE; British Comput. Soc.; BT Educ.; NCC Educ

Conference Date: 30 March-1 April 1998 Conference Location: Keele, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: This paper reports the results of applying metrics to hypermedia authoring under the SHAPE (Southampton Hypermedia Authoring Paradigm for Education) research project. The aim of SHAPE is to help authors develop high quality large hypermedia applications for education. The quality characteristics considered are the reusability of information, the maintainability of applications and the authoring effort. In the hypertext field there have been a number of proposals for hypertext metrics, developed mainly in an ad-hoc fashion, contributing to the expression of measures in an ambiguous manner and limiting their use. Unfortunately, many measures proposed in the literature lack the necessary mathematical or empirical justification. The metrics proposed in this paper have been developed using the Goal-Question-Metric approach, and adhere to the representational theory of measurement. We describe the development of the metrics and the results of a quantitative empirical study which compares two different hypermedia authoring systems. (39 Refs)

Subfile: C

Descriptors: authoring systems; computer aided instruction; hypermedia; software maintenance; software metrics; software quality; software reusability

Identifiers: software reuse; software maintenance; SHAPE project; research project; software metrics; hypermedia applications; Southampton

Hypermedia Authoring Paradigm for Education; software quality;  
Goal-Question-Metric approach; hypertext metrics; authoring systems  
Class Codes: C7810C (Computer-aided instruction); C6130M (Multimedia);  
C6110B (Software engineering techniques); C6110S (Software metrics)  
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17/5/7 (Item 6 from file: 2)  
DIALOG(R)File 2:INSPEC  
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06967032 INSPEC Abstract Number: A9816-9355-004

**Title: The 1995 Arizona Program: toward a better understanding of winter storm precipitation development in mountainous terrain**

Author(s): Klimowski, B.A.; Becker, R.; Befterton, E.A.; Bruintjes, R.;  
Clark, T.L.; Hall, W.D.; Orr, B.W.; Kropfli, R.A.; Piironen, P.;  
Reinking, R.F.; Sundie, D.; Uttal, T.

Author Affiliation: Nat. Weather Service, Rapid City, SD, USA

Journal: Bulletin of the American Meteorological Society vol.79, no.5  
p.799-813

Publisher: American Meteorol. Soc,

Publication Date: May 1998 Country of Publication: USA

CODEN: BAMMAT ISSN: 0003-0007

SICI: 0003-0007(199805)79:5L:799:1APT;1-L

Material Identity Number: B016-98006

U.S. Copyright Clearance Center Code: 0003-0007/98/\$4.25+0.29

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: The 1995 Arizona Program was a field experiment aimed at advancing the understanding of winter storm development in a mountainous region of central Arizona. From 15 January through 15 March 1995 a wide variety of instrumentation was operated in and around the Verde Valley southwest of Flagstaff, Arizona. These instruments included two Doppler dual-polarization radars, an instrumented airplane, a lidar, microwave and infrared radiometers, an acoustic sounder, and other surface-based facilities. Twenty-nine scientists from eight institutions took part in the program. Of special interest was the interaction of topographically induced, storm-embedded gravity waves with ambient upslope flow. It is hypothesized that these waves serve to augment the upslope-forced precipitation that falls on the mountain ridges. A major thrust of the program was to compare the observations of these winter storms to those predicted with the Clark-NCAR 3D, nonhydrostatic numerical model. (33 Refs)

Subfile: A

Descriptors: atmospheric precipitation; remote sensing; remote sensing by laser beam; remote sensing by radar; storms

Identifiers: 1995 Arizona Program; winter storm precipitation development ; mountainous terrain; field experiment; central Arizona; AD 1995 01 15 to 03 15; Verde Valley; Flagstaff; Doppler dual-polarization radars; instrumented airplane; lidar; microwave radiometer; IR radiometer; acoustic sounder; surface-based facilities; topographically induced storm-embedded gravity waves interaction; ambient upslope flow; upslope-forced precipitation; Clark-NCAR 3D nonhydrostatic numerical model predictions

Class Codes: A9355 (Research organizations and programmes in geophysics) ; A9260Q (Atmospheric storms); A9260J (Water in the atmosphere (humidity, clouds, evaporation, precipitation)); A9385 (Instrumentation and techniques for geophysical, hydrospheric and lower atmosphere research); A9330H (North America)

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17/5/8 (Item 7 from file: 2)  
DIALOG(R)File 2:INSPEC  
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06675367 INSPEC Abstract Number: A9719-9260-192

**Title: Terrain-induced turbulence over Lantau Island: 7 June 1994 Tropical Storm Russ case study**

Author(s): Clark, T.L.; Keller, T.; Coen, J.; Neilley, P.; Hsiao-Ming Hsu ; Hall, W.D.

Author Affiliation: Nat. Center for Atmos. Res., Boulder, CO, USA

Journal: Journal of the Atmospheric Sciences vol.54, no.13 p. 1795-814

Publisher: American Meteorol. Soc,

Publication Date: 1 July 1997 Country of Publication: USA

CODEN: JAHSAK ISSN: 0022-4928

SICI: 0022-4928(19970701)54:13L:1795:TITO;1-O

Material Identity Number: J025-97013

U.S. Copyright Clearance Center Code: 0022-4928/97/\$4.25+0.25

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T); Experimental (X)

**Abstract:** Numerical simulations of terrain-induced turbulence associated with airflow over Lantau Island of Hong Kong are presented. Lantau is a relatively small island with three narrow peaks rising to between 700 and 950 m above mean sea level. This research was undertaken as part of a project to better understand and predict the nature of turbulence and shear at the new airport site on the island of Chek Lap Kok, which is located to the lee of Lantau. Intensive ground and aerial observations were taken from May through June 1994, during the Lantau Experiment (LANTEX). This paper focuses on flow associated with the passage of Tropical Storm Russ on 7 June 1994, during which severe turbulence was observed. The nature of the environmental and topographic forcing on 7 June 1994 resulted in the turbulence and shear being dominated by the combination of topographic effects and surface friction. High-resolution numerical simulations, initialized using local sounding data, were performed using the Clark model. The simulation results indicate that gravity-wave dynamics played a very minor role in the flow distortion and generation of turbulence. As a result of this flow regime, relatively high vertical and horizontal resolution was required to simulate the mechanically generated turbulence associated with Tropical Storm Russ. Results are presented using a vertical resolution of 10 m near the surface and with horizontal resolutions of both 125 and 62.5 m over local, nested domains of about 13-24 km on a side. The 125-m model resolution simulated highly distorted flow in the lee of Lantau, with streaks emanating downstream from regions of sharp orographic gradients. At this resolution the streaks were nearly steady in time. At the higher horizontal resolution of 62.5 m the streaks became unstable, resulting in eddies advecting downstream within a distorted streaky mean flow similar to the 125-m resolution simulation. The temporally averaged fields changed little with the increase in resolution; however, there was a three- to fourfold increase in the temporal variability of the flow, as indicated by the standard deviation of the wind from a 10-min temporal average. Overall, the higher resolution simulations compared quite well with the observations, whereas the lower resolution cases did not. The high-resolution experiments also showed a much broader horizontal and vertical extent for the transient eddies. The depth of orographic influence increased from about 200 m to over 600 m with the increase in resolution. A physical explanation, using simple linear arguments based on the blocking effects of the eddies, is presented. The nature of the flow separation is analyzed using Bernoulli's energy form to display the geometry of the separation bubbles. The height of the  $80 \text{ m/s}^2$  energy surface shows eddies forming in regions of large orographic gradients and advecting downstream. Tests using both buoyancy excitation and stochastic backscatter

to parameterize the underresolved dynamics at the 125-m resolution are presented, as well as one experiment testing the influence of static stability suppressing turbulence development. All these tests showed no significant effect. Implications of these results to the parameterization of mechanically induced turbulence in complex terrain are discussed. (45 Refs)

Subfile: A

Descriptors: atmospheric boundary layer; atmospheric turbulence; storms

Identifiers: China; atmosphere; boundary layer; orography; storm; **AD** 1994 06 07; terrain-induced turbulence; Lantau Island; Tropical Storm Russ; numerical simulation; airflow; Hong Kong; shear; airport; island; Chek Lap Kok; topographic forcing; Clark model; gravity-wave dynamics; complex terrain; land surface topography

Class Codes: A9260E (Convection, turbulence, and diffusion in the lower atmosphere); A9330D (Asia); A9330K (Islands); A9260F (Atmospheric boundary layer structure and processes); A9260Q (Atmospheric storms)

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17/5/9 (Item 8 from file: 2)

DIALOG(R) File 2:INSPEC

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05843196 INSPEC Abstract Number: A9502-9260-088

**Title: Two- and three-dimensional simulations of the 9 January 1989 severe Boulder windstorm: comparison with observations**

Author(s): Clark, T.L.; Hall, W.D. ; Banta, R.M.

Author Affiliation: Nat. Center for Atmos. Res., Boulder, CO, USA

Journal: Journal of the Atmospheric Sciences vol.51, no.16 p. 2317-43

Publication Date: 15 Aug. 1994 Country of Publication: USA

CODEN: JAHSAK ISSN: 0022-4928

U.S. Copyright Clearance Center Code: 0022-4928/94/\$4.25+0.25

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T); Experimental (X)

Abstract: Simulations of the 9 January 1989 Colorado Front Range windstorm using both realistic three-dimensional orography and a representative two-dimensional east-west cross-sectional orography are presented. Both Coriolis forcing and surface friction (drag law formulation) are included for all experiments. The model results are compared with analyses of Doppler lidar scan data available from the surface to 4 km MSL provided by the Environmental Technology Laboratory of the National Oceanic and Atmospheric Administration. The fully three-dimensional simulations with realistic orography use time-dependent inflow boundary conditions. These experiments are designed, in part, to assess the ability of mesoscale models to predict the onset and general characteristics of downslope windstorms. The experiments highlight the sensitivity of windstorm onset and positioning of surface gusts to both model resolution and surface physics, which is in agreement with previous findings. (41 Refs)

Subfile: A

Descriptors: storms; wind

Identifiers: **AD** 1989 01 09; severe Boulder windstorm; 2D E-W cross-sectional orography; 3D simulations; Colorado Front Range windstorm; Coriolis forcing; surface friction; drag law formulation; Doppler lidar scan data; time-dependent inflow boundary conditions; mesoscale models; downslope windstorms; Colorado; USA; windstorm onset prediction; surface gust positioning

Class Codes: A9260Q (Atmospheric storms); A9260G (Winds and their effects in the lower atmosphere); A9330H (North America)

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17/5/10 (Item 9 from file: 2)  
DIALOG(R)File 2:INSPEC  
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05698169 INSPEC Abstract Number: A9415-9260-077

**Title: Interactions between topographic airflow and cloud/precipitation development during the passage of a winter storm in Arizona**

Author(s): Bruintjes, R.T.; Clark, T.L.; Hall, W.D.

Author Affiliation: Arizona Univ., Tucson, AZ, USA

Journal: Journal of the Atmospheric Sciences vol.51, no.1 p.48-67

Publication Date: 1 Jan. 1994 Country of Publication: USA

CODEN: JAHSAK ISSN: 0022-4928

U.S. Copyright Clearance Center Code: 0022-4928/94/\$4.25+0.25

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: A three-dimensional, time-dependent, nested grid model was used to conduct numerical simulations of the three-dimensional airflow and cloud evolution over the Mogollon Rim and adjacent terrain in Arizona. The modeling results indicated that the flow patterns and cloud liquid water (CLW) were closely linked to the topography. To a large extent, gravity waves excited by the flow over the mountains determine the distribution of clouds and precipitation. The waves extend through deep layers of the atmosphere with substantial updrafts and downdrafts, at times exceeding 5 m/s. The simulated vertical velocities and horizontal wavelengths of about 20 km were in good agreement with the aircraft observations. The CLW regions associated with the waves extended through much deeper layers of the atmosphere and in quantities a factor of 2 larger than those associated with the forced ascent over the ridges. The CLW associated with waves may provide an additional source for precipitation development. (45 Refs)

Subfile: A

Descriptors: atmospheric movements; atmospheric precipitation; clouds; gravity waves; meteorology; storms

Identifiers: 3D time-dependent model; mountain airflow; USA; atmospheric gravity waves; excitation; SW United States; mesoscale meteorology; synoptic-scale flow patterns; updraught speeds; downdraught speeds; AD 1987 03 15 to 16; topographic airflow; cloud/precipitation development; winter storm; Arizona; nested grid model; numerical simulations; three-dimensional airflow; cloud evolution; Mogollon Rim; flow patterns; cloud liquid water; topography; clouds; precipitation; updrafts; downdrafts; simulated vertical velocities; horizontal wavelengths; 0 to 10 km; 5 m/s; 20 km

Class Codes: A9260Q (Storms); A9260C (Synoptic and mesoscale phenomena); A9260D (Gravity waves, tides, and compressional waves); A9260J (Water in the atmosphere (humidity, clouds, evaporation, precipitation)); A9260X (Weather analysis and prediction); A9330H (North America)

Numerical Indexing: altitude 0.0E+00 to 1.0E+04 m; velocity 5.0E+00 m/s; wavelength 2.0E+04 m

17/5/11 (Item 10 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05599365 INSPEC Abstract Number: A9406-9130-033

**Title: The paradox of the Loma Prieta earthquake: why did rupture terminate at depth?**

Author(s): Hall Wallace, M. ; Wallace, T.C.

Author Affiliation: Dept. of Geosci., Arizona Univ., Tucson, AZ, USA

Journal: Journal of Geophysical Research    vol.98, no.B11    p.19859-67  
Publication Date: 10 Nov. 1993    Country of Publication: USA  
CODEN: JGREA2    ISSN: 0148-0227  
U.S. Copyright Clearance Center Code: 0148-0227/93/93JB-02166\$05.00  
Language: English    Document Type: Journal Paper (JP)  
Treatment: Theoretical (T)

Abstract: The 1989 Loma Prieta earthquake was an oblique thrusting event that ruptured a moderately dipping fault that is subparallel to the San Andreas fault. Rupture initiated at 18 km and propagated both unip and bilaterally. Seismic and geodetic studies indicate that rupture terminated between 8 and 5 km depth. The authors examine the role of the elastic properties of the crust as a mechanism for reducing stress in the upper crust and terminating rupture. They use linear elastic fracture mechanics and the finite element method to model the Loma Prieta fault rupture as a mode II and mode III shear crack in a layered elastic crust. The analysis shows that a low-stress condition, generated in our models by a change in material properties in the upper crust, is capable of stopping rupture. They also examine the stress condition at the intersection of the San Andreas and Loma Prieta faults to determine the present state of stress and seismic hazard in the region. (37 Refs)

Subfile: A

Descriptors: earthquakes; faulting

Identifiers: faulting; rupture termination; California; United States; USA; **AD** 1989; Loma Prieta earthquake; rupture terminate; depth; oblique thrusting event; dipping fault; subparallel; San Andreas fault; mechanism; reducing stress; linear elastic fracture mechanics; finite element method; model; shear crack; layered elastic crust

Class Codes: A9130B (Seismic sources); A9145B (Sub-plate scale tectonics (faults, folds, rifts, etc.)); A9330H (North America)

**17/5/12        (Item 11 from file: 2)**

DIALOG(R)File    2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05275651    INSPEC Abstract Number: B9212-5230-041, C9212-5430-003

**Title: Design techniques for control of radiated and conducted noise in portable computing equipment**

Author(s): **Hall, W.M.**

Author Affiliation: National Semiconductor Corp., South Portland, ME, USA

Conference Title: Northcon Conference Record    p.258-63

Publisher: Electron. Conventions Manage, Los Angeles, CA, USA

Publication Date: 1991    Country of Publication: USA    viii+434 pp.

Conference Sponsor: IEEE; ERA; Electron. Manuf. Assoc

Conference Date: 1-3 Oct. 1991    Conference Location: Portland, OR, USA

Availability: Western Periodicals Company, 424 East Main Street, Ventura, CA 93001, USA

Language: English    Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: With the advent of 20 MHz, 25 MHz, and 33 MHz microprocessors, and an increasing availability of ultra-high-speed CMOS logic integrated circuits, designers of laptop/notebook personal computers (PCs) and other portable data processing and information (DPI) equipment have been able to keep pace with desktop PC performance while conforming to increasingly rigid weight requirements. However, as system **speeds increase**, noise generation also increases. As system size and weight decreases, tools previously used to shield noise from the outside world become less feasible. These conflicting requirements make it increasingly difficult to design a system that meets FCC guidelines on electromagnetic emissions. This paper analyzes the three most important steps in designing for low electromagnetic interference (EMI): IC technology selection, printed



circuit board (PCB) level design, and shielding techniques. All are considered for the specific case of PC design, although, many techniques discussed will be applicable across a broad range of electronic systems. (6 Refs)

Subfile: B C

Descriptors: CMOS integrated circuits; electromagnetic interference; integrated logic circuits; portable computers; shielding

Identifiers: laptop PCs; conducted noise; portable computing equipment; CMOS logic; notebook personal computers; weight requirements; system speeds; noise generation; electromagnetic emissions; electromagnetic interference; IC technology; printed circuit board; shielding techniques

Class Codes: B5230 (Electromagnetic compatibility and interference); B2570D (CMOS integrated circuits); B1265B (Logic circuits); C5430 (Microcomputers); C5120 (Logic and switching circuits)

17/5/13 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04889083 INSPEC Abstract Number: A91077077

**Title: Behaviour of beach profiles during accretion and erosion dominated periods**

Author(s): Thom, B.G.; Hall, W.

Author Affiliation: Dept. of Geogr., Sydney Univ., NSW, Australia

Journal: Earth Surface Processes and Landforms vol.16, no.2 p. 113-27

Publication Date: March 1991 Country of Publication: UK

CODEN: ESPLDB ISSN: 0197-9337

U.S. Copyright Clearance Center Code: 0197-9337/91/020113-15\$07.50

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Beach profiles have been surveyed at monthly intervals between 1972 and 1988 at Moruya on the south coast of New South Wales, Australia. Four profile sites have been used as a data set to provide an understanding of changes to beach volume, width, and shape. Moruya Beach represents a moderately high energy, microtidal environment, which responds in a dramatic way to major storm events such as those experienced in the mid-1970s. This study distinguishes between profile characteristics associated with such a period (erosion-dominated) compared with periods when accretion dominated accompanied by foredune expansion in both height and width. (39 Refs)

Subfile: A

Descriptors: erosion; sand

Identifiers: accretion dominated periods; AD 1972 to 1988; sand transport; beach profiles; erosion dominated periods; New South Wales; Australia; beach volume; Moruya Beach; microtidal environment; storm events; profile characteristics; foredune expansion

Class Codes: A9150C (Beach, coastal and shelf processes); A9330F (Australia)

17/5/14 (Item 13 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04545364 INSPEC Abstract Number: B90007432

**Title: Flexibility and repeatability in radiant/convective reflow**

Author(s): Hall, W.J.

Author Affiliation: Dynapert, Beverly, MA, USA

Conference Title: Proceedings of the Technical Program, NEPCON West '89

Sylvia Keys

20-Apr-06 09:33 AM

p.797-803 vol.1

Publisher: Cahners Exposition Group, Des Plaines, IL, USA

Publication Date: 1989 Country of Publication: USA 2 vol. 1960 pp.

Conference Date: 7-9 March 1989 Conference Location: Anaheim, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: High product mix and small batch size have significant effects on conveyorized radiant/convective furnaces which have evolved as one of the standards for reflow soldering in surface mount technology. Reflow systems must accommodate varying loads and frequent process changes. New features such as enhanced convection allow current systems to meet these requirements while producing repeatable reflow soldering. Fast warmup, stabilisation and process changes are provided by combination of panel heating elements, positive low-speed air flow, improved temperature control and enhanced profiling systems. (3 Refs)

Subfile: B

Descriptors: convection; printed circuit manufacture; soldering; surface mount technology; temperature control

Identifiers: flexibility; repeatability; radiant/convective reflow; product mix; batch size; reflow soldering; surface mount technology; loads; process changes; enhanced convection; warmup; stabilisation; panel heating elements; positive low-speed air flow; temperature control; profiling systems

Class Codes: B2210D (Printed circuit manufacture); B0170G (General fabrication techniques)

17/5/15 (Item 14 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04289366 INSPEC Abstract Number: A89020790

**Title: Spatial and temporal distribution of butyltin compounds in a northern Chesapeake Bay marina and river system**

Author(s): Hall, L.W., Jr.; Bushong, S.J.; Johnson, W.E.; Hall, W.S.

Author Affiliation: Johns Hopkins Univ., Shady Side, MD, USA

Journal: Environmental Monitoring and Assessment vol.10, no.3 p. 229-44

Publication Date: May 1988 Country of Publication: Netherlands

CODEN: EMASDH ISSN: 0167-6369

U.S. Copyright Clearance Center Code: 0167-6369/88/\$1.00+0.15

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: This study was designed to: determine dibutyltin (DBT), tributyltin (TBT) and tetrabutyltin (TTBT) bi-weekly for a four month period (June-September 1986) in the Port Annapolis Marina, Mears Marina, Back Creek and Severn River area of Northern Chesapeake Bay; measure DBT, TBT and TTBT for five successive days (Thursday-Monday) to determine possible daily effects (weekday versus weekend) and determine DBT, TBT and TTBT every two hours for one full tidal cycle in the study area. Maximum concentrations of TBT were reported at both Port Annapolis Marina (1801 ng L/sup -1/) and Mears Marina (1171 ng L/sup -1/) during early June followed by significant reductions in TBT during late summer and early fall. All 4 Back Creek Stations also had highest concentrations of TBT in early June; significant reductions occurred during the next three months. The highest concentration of TBT reported in the Severn River (48 ng L/sup -1/) occurred in September. The lowest TBT value (5 ng L/sup -1/) at this station occurred in June. (26 Refs)

Subfile: A

Descriptors: oceanographic regions; organic compounds; rivers; water pollution

Identifiers: DBT; spatial distribution; water pollution; organotin; TBT; TTBT; **AD** 1986; marine biology; ocean; marine pollution; United States; USA; antifouling paint; harbour; estuary; coast; North Atlantic; Maryland; temporal distribution; butyltin compounds; Chesapeake Bay marina; river system; dibutyltin; tributyltin; tetrabutyltin; Port Annapolis Marina; Mears Marina; Back Creek; Severn River; daily effects; Sn

Class Codes: A9220N (Marine pollution); A8670E (Water); A9210S (Coastal and estuarine oceanography); A9240F (Rivers, runoff, and streamflow); A9330H (North America); A9330M (Atlantic Ocean); A9220J (Biological aspects of oceanography); A9240F (Rivers, runoff, and streamflow)

Chemical Indexing:

Sn el (Elements - 1)

**17/5/16 (Item 15 from file: 2)**

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

04041991 INSPEC Abstract Number: D88000291

**Title: Business television: its role in your future**

Author(s): **Hall, W.F.**

Journal: Banking World vol.5, no.10 p.59

Publication Date: Oct. 1987 Country of Publication: UK

CODEN: BAWOEX ISSN: 0737-6413

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: Just as the ability to communicate 'on the box' has become vital to politicians, it is increasingly important to business leaders. Business television is unique in its immediacy, its intimacy, its consistency and its authority. The ability to use the television screen effectively, judged against broadcast programmes, is a new dimension in business leadership. The uses of business television range from annual results and the chief executive's review to investor relations, product **promotion**, recruitment and training.

Subfile: D

Descriptors: television

Identifiers: business television; annual results; investor relations; product **promotion**; recruitment; training

Class Codes: D2010 (Business and professional); D4000 (Office automation - communications)

**17/5/17 (Item 16 from file: 2)**

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

03153260 INSPEC Abstract Number: A83121325

**Title: Visual cloud histories related to first radar echo formation in northeast Colorado cumulus**

Author(s): Knight, C.A.; **Hall, W.D.**; Roskowski, P.M.

Author Affiliation: Nat. Center for Atmospheric Res., Boulder, CO, USA

Journal: Journal of Climate and Applied Meteorology vol.22, no.6 p. 1022-40

Publication Date: June 1983 Country of Publication: USA

CODEN: JCAMEJ ISSN: 0733-3021

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Using quantitative analysis of time-lapse motion pictures from aircraft and a sensitive meteorological radar, the cloud top history is related to the early radar echo development in 12 vigorous, summer,

convective cloud turrets in northeastern Colorado. At a threshold of about 5 dB(Z), the first echoes appear typically 5-10 min after the cloud top passes the -20 degrees C level. The first echo either appears at cloud top or reaches the top very quickly. It sometimes appears at a well-defined height, but sometimes nearly simultaneously over an altitude range of 3 km or more. Radar echo at 5 dB(Z) typically fills the visual cloud 5-10 min after first echo. A detailed model of the rates of ice particle formation by vapor growth followed by riming gives a 5 dB(Z) radar echo within 7-10 min at concentrations as low as  $1 \text{ m/sup } -3/$ , at most temperatures between -10 and -20 degrees C and in cloud conditions realistic for northeast Colorado. The natural echo development may often result from the transport of embryonic ice particles into regions with vigorous updraft and high liquid water content where growth by accretion is rapid. (55 Refs)

Subfile: A

Descriptors: clouds; ice; radar applications

Identifiers: United States; AD 1978 07 10 to 30; cloud histories; first radar echo formation; northeast Colorado cumulus; time-lapse motion pictures; cloud top history; convective cloud turrets; ice particle formation; vapor growth; riming; liquid water content; accretion

Class Codes: A9260N (Cloud physics); A9330H (North America)

17/5/18 (Item 17 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

01683085 INSPEC Abstract Number: B74033552, C74020959

**Title: A convergent two-time method for periodic differential equations**

Author(s): Fink, J.P.; Hall, W.S.; Hausrath, A.R.

Author Affiliation: Univ. Pittsburgh, PA, USA

Journal: Journal of Differential Equations vol.15, no.3 p.459-98

Publication Date: May 1974 Country of Publication: USA

CODEN: JDEQAK ISSN: 0022-0396

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: Two timing, an ad hoc method for studying periodic evolution equations, can be given a rigorous justification when the problem is in standard form,  $du/dt = \epsilon f(t, u)$ . First solve  $dw/d\sigma = \epsilon (I-M)f(\sigma, w)$  for  $w(\sigma, v)$ , where M is the mean value operator and v is any initial value. Then  $w(\sigma, v)$  is periodic in  $\sigma$  but does not satisfy the original equation. Now, force a solution  $u(t)$ , using nonlinear variation of constants, in the form  $w(\sigma, v(\tau))$ , where  $\sigma = t$  is the fast time and  $\tau = \epsilon t$  is the slow time. With the resulting differential equation for v, one reads off from its nonconstant solutions the approximate transient behavior of  $u(t)$  for times of order  $\epsilon^{-1}$ . On the other hand the equilibrium points (constant solutions)  $v_{sub 0}$  correspond to steady state (periodic solutions) of the original system. Interesting applications, such as to one-dimensional wave equations with cubic damping, can be given. (16 Refs)

Subfile: B C

Descriptors: differential equations

Identifiers: periodic differential equations; two timing; periodic evolution equations; nonconstant solutions; approximate transient behaviour; the equilibrium points; periodic solutions; one dimensional wave equations; cubic damping; convergent two time method

Class Codes: B0220 (Analysis); C1120 (Analysis)

17/5/19 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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02548581    INSIDE CONFERENCE ITEM ID: CN026577217

**Identification of Flow Constraint and Control Points in Departure  
Operations at Airport Systems**

Idris, H.; Delcaire, B.; Anagnostakis, I.; Hall, W.

CONFERENCE: Guidance, navigation and control-Conference

PAPERS-AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, 1998; ISSUE

4224/4406    P: 947-956

AIAA, 1998

ISBN: 1563472694

LANGUAGE: English    DOCUMENT TYPE: Conference Selected papers nos  
4101-4517

CONFERENCE SPONSOR: AIAA

CONFERENCE LOCATION: Boston, MA

CONFERENCE DATE: Aug 1998 (199808) (199808)

BRITISH LIBRARY ITEM LOCATION: 6369.400000

NOTE:

See also same s/m for separate paper nos 4238 to 4494 with gaps held  
only

DESCRIPTORS: AIAA; guidance; navigation; control

**17/5/20            (Item 2 from file: 65)**

DIALOG(R)File    65:Inside Conferences

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00426655    INSIDE CONFERENCE ITEM ID: CN004083120

**Lubrication Systems For Speed Increasers Used In Hydrogenerating  
Applications**

Pelczar, R. S.

CONFERENCE: Waterpower '93-International conference on hydropower

WATERPOWER, 1993; VOL 2    P: 1483-1496

ASCE, 1993

ISSN: 1057-1841 ISBN: 0872629244; 0872629236

LANGUAGE: English    DOCUMENT TYPE: Conference Papers and programme

CONFERENCE EDITOR(S): Hall, W. D.

CONFERENCE LOCATION: Nashville, TN

CONFERENCE DATE: Aug 1993 (199308) (199308)

BRITISH LIBRARY ITEM LOCATION: 9279.460000

NOTE:

In 3 vols; Theme title: Hydropower - its role in world energy

DESCRIPTORS: waterpower; hydropower; world energy

?

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office  
File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
(c) 2006 JPO & JAPIO  
File 350:Derwent WPIX 1963-2006/UD,UM &UP=200625  
(c) 2006 Thomson Derwent  
File 348:EUROPEAN PATENTS 1978-2006/ 200616  
(c) 2006 European Patent Office  
File 349:PCT FULLTEXT 1979-2006/UB=20060413,UT=20060406  
(c) 2006 WIPO/Univentio  
File 331:Derwent WPI First View UD=200625  
(c) 2006 Thomson Derwent  
File 351:Derwent WPI 1963-2006/UD,UM &UP=200625  
(c) 2006 Thomson Derwent  
File 371:French Patents 1961-2002/BOPI 200209  
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Set	Items	Description
S1	43624	(FUEL OR GAS OR GASOLINE OR PETROL?) ( ) (DISPENS? OR PUMP???) OR STATION? ?)
S2	841535	(CONTROL? OR TRIGGER? OR MANIPULATE? OR INCREAS? OR DECREA- S? OR MODULAT?) (3N) (SPEED? OR FLOW???)
S3	240525	AD OR ADS OR ADVERTISEMENT? OR PROMOTION? ? OR INFOMERCIAL?
S4	6	BILLBOARD() VIDEO?
S5	738	AU=(HALL, W? OR HALL W? OR STAPP, R? OR STAPP R? WILLIAM(2- N) HALL OR RON? (2N) STAPP)
S6	564	S1 (5N) S2
S7	9	S6 AND S3
S8	2	S7 NOT CONVERT?
S9	1194	S1 AND S3
S10	857	S9 NOT PROMOTION?
S11	799	S10 NOT (AD() HOC)
S12	267	S11 AND S2
S13	77	S12 NOT CONVERT?
S14	4	S13 AND IC=G06F
S15	4	S14 NOT S8
S16	1194	S1 AND S3
S17	11	S16 (5N) S2
S18	2	S17 NOT (AD() HOC OR CONVERT?)
S19	0	S18 NOT (S8 OR S15)
S20	0	S4 AND S1
S21	0	S5 AND S1
S22	29	S5 AND (S2 OR S3)
S23	2	S22 AND IC=G06F

8/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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02344760 \*\*Image available\*\*  
CONTROLLER FOR ENGINE FUEL PUMP

PUB. NO.: 62-261660 [JP 62261660 A]  
PUBLISHED: November 13, 1987 (19871113)  
INVENTOR(s): KAWAI KATSUHIKO  
APPLICANT(s): NIPPON DENSO CO LTD [000426] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 61-104250 [JP 86104250]  
FILED: May 07, 1986 (19860507)  
JOURNAL: Section: M, Section No. 691, Vol. 12, No. 141, Pg. 114, April 28, 1988 (19880428)

ABSTRACT

PURPOSE: To aim at compensation of disturbance, reduction in a battery burden and the **promotion** of long service life in a pump, by feedback-**controlling** the revolving **speed** of an electric **fuel pump** to a desired revolving speed to be calculated on the basis of an engine driving ...

... the basis of the detection value out of the suction pressure sensor 5a, and feedback- **controls** the revolving **speed** of the **fuel pump** 13 to the desired value on the basis of a deviation with the detection value...

8/3,K/2 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2006 European Patent Office. All rts. reserv.

01383448  
**Valve for a pressure container**  
**Ventil fur einen Druckbehälter**  
**Vanne pour un recipient sous pression**

PATENT ASSIGNEE:

AIR PRODUCTS AND CHEMICALS, INC., (215775), 7201 Hamilton Boulevard,  
Allentown, PA 18195-1501, (US), (Applicant designated States: all)

INVENTOR:

Reading, Peter Trevor, 4 The Manor, Godalming, Surrey GU8 5JL, (GB)  
Webb, Andrew Peter, Jeflambeanlaan, 8, 3090 Ovevijse, (BE)  
Irven, John, 'Midways', Cryers Hill Road, Cryers Hill, High Wycombe,  
Buckinghamshire HP15 6JS, (GB)

De Paepe, Lieve Anna, Neerstraat 28, 2812 Muizen, (BE)

LEGAL REPRESENTATIVE:

Burford, Anthony Frederick (28961), W.H. Beck, Greener & Co. 7 Stone  
Buildings Lincoln's Inn, London WC2A 3SZ, (GB)

PATENT (CC, No, Kind, Date): EP 1174649 A2 020123 (Basic)  
EP 1174649 A3 030102

APPLICATION (CC, No, Date): EP 2001306126 010717;

PRIORITY (CC, No, Date): GB 18011 000721

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): F16K-001/30; F16K-001/22

ABSTRACT WORD COUNT: 74

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200204	608
SPEC A	(English)	200204	4413
Total word count - document A			5021
Total word count - document B			0
Total word count - documents A + B			5021

...SPECIFICATION filled balloons. Such balloons are used for example as party decorations, children's' toys or **promotional** and advertising materials. As a result of this demand, helium-filled balloons are widely available...the first gas flow control unit of the invention may further comprise a nozzle for **controlling** the direction of **flow** of **gas dispensed** from the container. In a preferred arrangement of this embodiment, the container may further comprise...



15/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01170741 \*\*Image available\*\*

CENTRALIZED FACILITY AND INTELLIGENT ON-BOARD VEHICLE PLATFORM FOR  
COLLECTING, ANALYZING AND DISTRIBUTING INFORMATION RELATING TO  
TRANSPORTATION INFRASTRUCTURE AND CONDITIONS  
ORGANISME CENTRAL ET PLATE-FORME AUTOMOBILE EMBARQUEE INTELLIGENTE POUR  
RECUEILLIR, ANALYSER ET DONNER DES INFORMATIONS CONCERNANT  
L'INFRASTRUCTURE ET LES CONDITIONS DE TRANSPORT

Patent Applicant/Assignee:

GOODPOINTE TECHNOLOGY INFRASTRUCTURE MANAGEMENT SYSTEM SOFTWARE AND  
COUNSULTING SERVICES, 287 East 6th Street, Suite 200, Saint Paul, MN  
55101, US, US (Residence), US (Nationality), (For all designated states  
except: US)

Inventor(s):

DAHLGREN Darwin, 394 27th Avenue, South Minneapolis, MN 55406, US,  
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Legal Representative:

KNUTH Randall (agent), 3510-A Stelhorn Road, Fort Wayne, IN 46815, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200492876 A2 20041028 (WO 0492876)  
Application: WO 2004US10736 20040407 (PCT/WO US04010736)  
Priority Application: US 2003461040 20030407

Designated States:

(All protection types applied unless otherwise stated - for applications  
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO  
SE SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 17801

Main International Patent Class (v7): G06F

Fulltext Availability:

Detailed Description

Detailed Description

... usage pattern

of anti-lock brakes, sensor data reflecting excessive or abrupt  
use of the **ADS** system may indicate hazards introduced into the highway  
such as obstacles, i.e., an event, particularly if other data from  
the IMU indicates sudden maneuvering of the vehicle simultaneous  
with **ADS** activation. Further confirmation of the accuracy of this  
data interpretation as an obstacle-related event...

...other vehicle environments traveling

through the same location upload similar event indicators stemming

from comparable **ADS** and IMU sensor data.

Regarding wipers, sensor data reflecting different periods and types...

...junctions), the proper authority may alter or adjust the timing of lights to increase or **decrease** (as necessary) the **flow** of incoming vehicles entering the highway from the on-ramp through the control lights. In...and along with the vehicle BUS data from the ride stabilization, load leveling, traction control, **ADS**, and other systems. This information will be translated by the unit into information on roughness...

...use in many businesses today.

If this technology were deployed at discrete locations (such as **gas stations**, homes & businesses, major intersections, or public rest areas, points along a freeway), large quantities of...ice. The first driver hits the brakes to slow down to negotiate the curve. The **ADS** system activates, thereby slowing the vehicle enough to make the curve safely. At the same...

**15/3,K/2 (Item 2 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
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01126921 \*\*Image available\*\*

**METHOD AND SYSTEM OF ADVERTISING**

**PROCEDE ET SYSTEME DE PUBLICITE**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2003US21385 20030709 (PCT/WO US03021385)

Priority Application: US 2002429225 20021126

Designated States:

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD  
SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
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Main International Patent Class (v7): G06F-017/60

Fulltext Availability:

Detailed Description

Claims

English Abstract

...proximate to a display of goods, invokes (based on the presence of the consumer), an **advertisement** selected from a group of previously supplied **advertisements** (14), and reporting statistics of the invocation of **advertisements** .

Detailed Description

... particularly, various embodiments of the invention may be directed to displaying previously and dynamically supplied **advertisements** triggered by a detected presence of a consumer, and reporting statistics of the advertising play...

...Traditional advertising methods include television, radio, and publications, while more recent methods include internet-based **advertisements** . Regardless of the method employed, businesses utilize advertising to introduce consumers to their products and...

...might not purchase the product for days or even months after hearing or seeing an **advertisement** , most advertising methods, such as television, rely on innovative and creative **advertisements** that consumers will remember when making the purchase. Other methods for encouraging consumers to purchase a certain product include product demonstrations (e.g., prerecorded **advertisements** and in-person demonstrations) located close to the actual point of purchase. For example, short product demonstrations and **advertisements** are sometimes prerecorded on a video and then played in a location proximate to where...

...noted above are solved in large part by a method and related system for displaying **advertisements** . One aspect of the embodiments of the invention may be a method comprising: sensing presence...

...to a display of consumer goods, invoking (based on the presence of the consumer) an **advertisement** directed to at least one sense of the consumer, and reporting statistics of invocation of **advertisements** . Detecting presence of the consumer may comprise ultrasonically detecting the consumer or movement of inanimate...

...the consumer, and/or detecting a radio frequency identification device carried by the consumer. The **advertisement** directed to the sense of I the consumer may comprise an audio clip, a video...

...a communication system. The remote advertising player may sense the presence of a person, play **advertisements** stored in the remote advertising player supplied by the first computer system, and report a...

...communication device coupled to the processor, a sensing device coupled to the processor, and an **advertisement** reproduction device coupled to the processor. The system may receive **advertisements** by way of a radio frequency communication and store the **advertisements** , possibly in the RAM. The processor may be programmed to sense proximity of a consumer using the sensing device, and when the consumer is detected, the processor may play an **advertisement** stored in the RAM on the **advertisement** reproduction device. The processor may further report statistics of advertising play to external devices across the communication device. The **advertisement** reproduction device may

comprise devices such as a video monitor and/or a video monitor...

...least some of the embodiments of the invention were developed in the context of displaying **advertisements** within the freezer section of a grocery store, possibly triggered by opening of a door...

...coupled to the primary server 10. The work station 16 may be used to generate **advertisements** in various audio and video formats. Once created, the **advertisements** may be stored in the primary server 10. The work station 16 may be any...

...of creating and/or editing audio and video content. In alternative embodiments, the a new **advertisement** .

The store controller 12 may manage communication between the server 10 and the one or...

...nation from the servers 10 is bound for the advertising players 14. For example, an **advertisement** from server 10 to advertising players 14 may be received by the controller 12 via...

...may thus be responsible for forming at least part of the communication link between the **advertisement** player 14 and the primary server 10. The radio transceiver 24 may be a device...

...audio voice encoder (vocoder) 28. The audio vocoder 28 and speaker 26 may play audio **advertisements** alone, or as accompaniment to the  
6  
pictures or video images on the video display...

...also comprise media storage 21, possibly a flash memory, in which digital versions of the **advertisements** may be stored. The processor 18, in combination with the RAM 20, media storage 21 and/or ROM 22, may store **advertisements** , possibly provided from the primary server 10 through the store controller 12 for play-back...

...audio driver 28 may likewise have the capacity to store audio or audio versions of **advertisements** . Though the video decoder 35 and audio vocoder 28 are shown coupled to the various...

...of the presence of the advertising player 14 and thus may transfer a plurality of **advertisements** , in electronic form, to the media slots of the advertising player 14. The transfer of **advertisements** in electronic form may comprise the primary server 10 communicating the various files to the...

...embodiments, act as a buffer and translation device, controlling the speed at which communication may **flow** between the store **controller** 12 and the advertising player 14, and possibly also implementing protocols to facilitate the communication. Thus, the advertising player 14 may be provided with a plurality of **advertisements** to play.

In the exemplary case of the advertising player 14 being placed within a  
...

...displays that message on one or both of the video display and audio driver. The **advertisement** may take many forms, such as attempting to influence the purchaser to a particular brand or type of product within the freezer case. Alternatively, the **advertisement** may provide information relating to the products in proximity to the advertising

player 14, such...

...message each time a user is detected, preferably the advertising player 14 selects a different **advertisement** than was played immediately previously. The selection may be a random selection, or some form...

...freezer door for a second and possibly a third time, in accordance with embodiments, different **advertisements** may be triggered.

In some embodiments, an advertising player 14 may communicate with other advertising...

...Such communication may be for the purpose of coordinating advertising play, or possibly ensuring that **advertisements** played on one advertising player do not interfere visually or audibly with other advertising players...

...embodiments may also have the capability of tracking various parameters associated with playing a particular **advertisement**. For example, an advertising player 14 may keep track of a number of times a particular **advertisement** was played in a given period of time, such as a day. The primary server...

...advertising player 14 for the statistics or metrics regarding the number of times the stored **advertisements** have @ been played. Alternatively, the advertising player 14 may report this information back to the...

...be understood that while the primary server 10 may many times throughout the day deliver **advertisements** to the advertising players 14, and the advertising players 14 may report statistics or metrics...

...the communication system 11 is inoperable, the advertising players 14 may continue to play **advertisements** selected from their various media slots, and track their usage.

Upon the communication system 11 becoming operable, the statistics may be transferred or different **advertisements** may be provided.

Though the embodiments above are described in reference to a freezer having...

...laser system, in which breaking of a light beam may be the trigger playing an **advertisement**.  
The previous two embodiments were discussed with respect to some kind of refrigerated or freezer...

...a magazine rack, a shelf containing goods such as canned goods, a display case, a **gas pump**, and a stand on which fruit items may be displayed for sale, to name a...

...by Motorola 15 having a part number MC33794), or the consumer may activate the **advertisement** directly, such as by pushing a button or standing on a floor mat that contains...

...video clips and/or audio clips. However, in alternative embodiments advertising players 14 may provide **advertisements** directed to other senses of the consumer, such as a sense of smell. Referring again...

...some embodiments, detection of the removal of particular consumer goods may itself invoke playing related **advertisements**. Alternatively, the

wherein the advertising player plays **advertisements** when the sensing device detects presence of a person.

29 The system as defined in...

...computer system coupled to the first computer system, the third computer system used to create **advertisements**.

37 The system as defined in claim 18 wherein the advertising player provides information to...

...communication device coupled to the processor;  
a sensing device coupled to the processor; and  
an **advertisement** reproduction device coupled to the processor;  
wherein the system receives **advertisements** by way of the radio frequency communication device and stores the **advertisements** in the RAM;  
wherein the processor is programmed to sense proximity of a consumer using...

...consumer is detected by the sensing device, the processor is further adapted to play an **advertisement** stored in the RAM on the **advertisement** reproduction device;  
wherein the processor is further programmed to send data to external devices, by...

...radio  
frequency identification tag reader.

41 The system as defined in claim 39 wherein the **advertisement** reproduction device further comprises an audio speaker.

42 The system as defined in claim 39 wherein the **advertisement** reproduction device further comprises a video display.

43 The system as defined in claim 42 wherein the **advertisement** reproduction device further comprises a audio speaker.

44 The system as defined in claim 42...

...A system comprising:  
a means for executing programs and storing information;  
a means for reproducing **advertisements** coupled to the means for executing programs by way of means for wirelessly communicating; and  
wherein the means for reproducing senses presence of a person, and plays **advertisements** stored in the means for reproducing previously supplied by the means for executing.

14

15/3,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00957057 \*\*Image available\*\*  
METHOD AND DEVICE FOR CONTEXT DEPENDENT USER INPUT PREDICTION  
PROCEDE ET DISPOSITIF DE PREDICTION DES ENTREES D'UN UTILISATEUR EN

# FONCTION DU CONTEXTE

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2002IB1422 20020429 (PCT/WO IB0201422)

Priority Application: EP 2001111442 20010510

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prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8267

Main International Patent Class (v7): G06F-015/18

Fulltext Availability:

Detailed Description

Detailed Description

... arg min da + d, if (da < Ca A d, < Et)

dp + dt if (dP < 6P Ad , < Et)

If one or more state vectors xi falfil only one distance condition.

da < c...parameters. A set of parameters can be related to different time  
scales. Different time scales **increase** the conditioning **speed** of the  
system, and help to discover long terni behaviour patterns.

Every device connected to...The system may even adapt to a refuel  
behaviour, if the user prefers a certain **fuel station** , a certain fuel  
level, the cheapest station to refuel. In a first step the system...

15/3,K/4 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00444348 \*\*Image available\*\*

MULTIMEDIA INFORMATION AND CONTROL SYSTEM FOR AUTOMOBILES

SYSTEME DE COMMANDE ET D'INFORMATION MULTIMEDIA DESTINE AUX AUTOMOBILES

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DINKEL John G,

Inventor(s):

OBRADOVICH Michael L,

Sylvia Keys

20-Apr-06 09:17 AM

KENT Michael L,  
DINKEL John G,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9834812 A2 19980813  
Application: WO 98US1119 19980105 (PCT/WO US9801119)  
Priority Application: US 97789934 19970128  
Designated States:  
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AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU  
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS  
MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR  
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 16358

Main International Patent Class (v7): G06F-007/70  
Fulltext Availability:  
Detailed Description

Detailed Description

... fuel filler door, brakes and  
transmission, and enable or disable the child-proof door  
locks, **fuel pump** and ignition.

Mirror interface 108b comprises output control  
logic controllable by processor 105 to maneuver...high, medium or low)  
selected by the user.

-3 9

Touching on up-arrow 1543 **increases** the selected fan  
**speed** while touching down-arrow 1539 decreases same.  
The HEATERS options in Fig. 18 include SEAT...or multifunction display  
interface  
102b. Such information includes a local directory  
indicating locations of nearby **gas stations**, restaurants  
and other facilities on the GPS map, with respect to the  
current location of...

...events may be posted  
alongside the weather information, and in the case of  
commercial sponsorship, **advertisements** may be posted  
instead. Of course, as the automobile moves from cell to  
cell, the...

?



23/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01060107 \*\*Image available\*\*

CONTROL FUNCTION BASED ON REQUESTING MASTER ID AND A DATA ADDRESS WITHIN AN  
INTEGRATED SYSTEM

FONCTION DE CONTROLE BASEE SUR UNE IDENTITE DE MAITRE DEMANDEUR ET UNE  
ADRESSE DE DONNEES DANS UN SYSTEME INTEGRE

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Patent and Priority Information (Country, Number, Date):

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Priority Application: US 2002125527 20020418

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG  
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6390

Inventor(s):

... HALL William E

Main International Patent Class (v7): G06F-011/30

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... bus control logic of the integrated system, with the method being  
implemented in the data flow between the bus control logic and at  
least one slave of the integrated system. More particularly, the method  
could...

Claim

... control logic of the integrated system, and wherein said method is  
implemented in the data flow between the bus control logic and at  
least one slave of the integrated system.

3 The method of claim...

...control logic of the integrated system, and wherein said system is implemented in the data **flow** between the bus **control** logic and at least one slave of the integrated system.

17 The system of claim...

23/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00289361 \*\*Image available\*\*  
METHOD AND SYSTEM FOR AN ELECTRONIC FORMS GENERATION USER INTERFACE  
PROCEDE ET SYSTEME RELATIFS A UNE INTERFACE D'UTILISATEUR POUR CREATION  
ELECTRONIQUE DE FORMES

Patent Applicant/Assignee:  
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Priority Application: US 93117463 19930907

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AU BR CA CN JP KR NZ PL RU AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT  
SE

Publication Language: English

Fulltext Word Count: 5170

Inventor(s):

... HALL Wayne F

Main International Patent Class (v7): G06F-017/24

Fulltext Availability:

Detailed Description

Detailed Description

... art systems.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a flow diagram depicting the **flow** of system **control** from the main user interface in an embodiment of the present invention.

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FIG. 2...

?